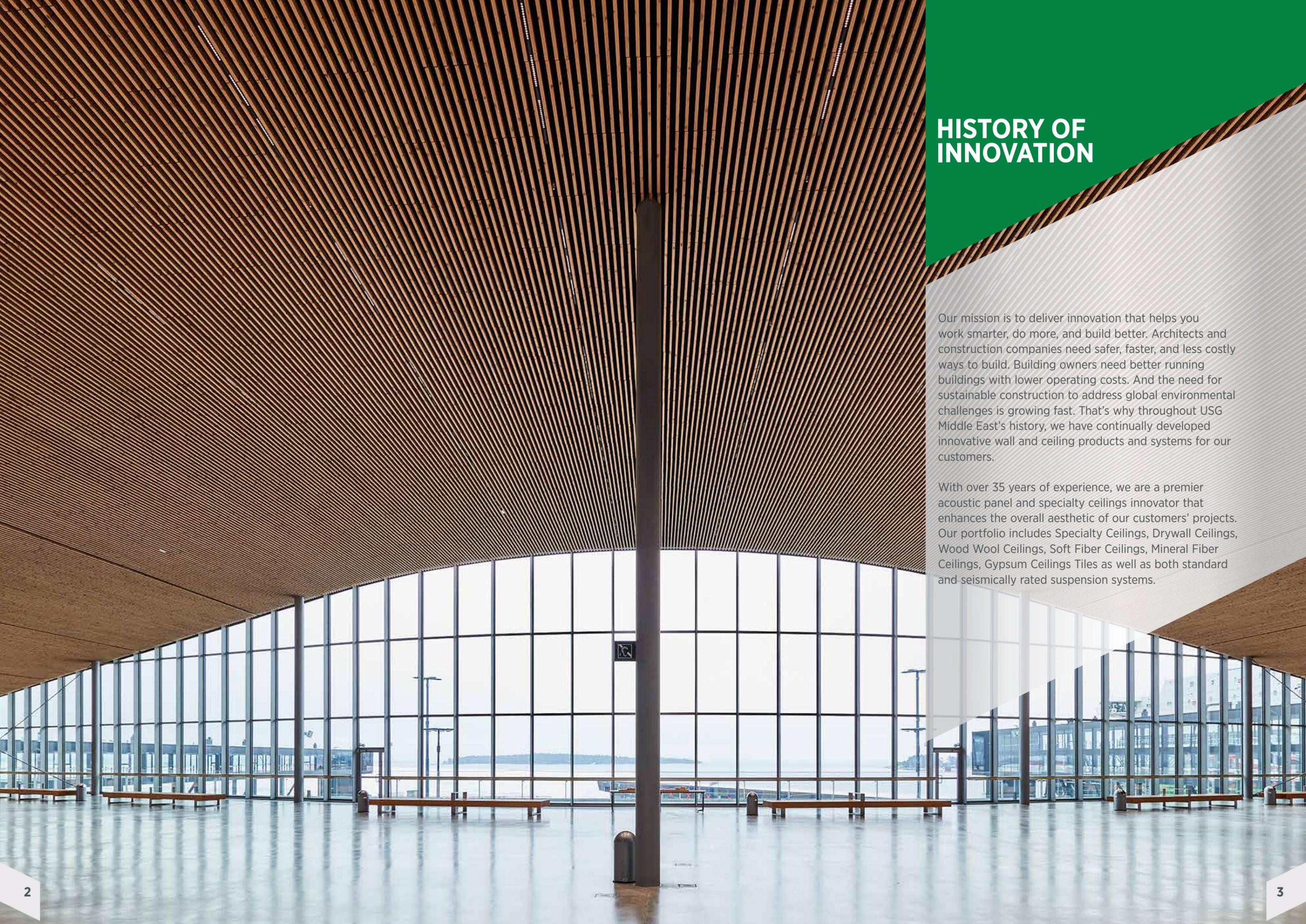


**CEILING  
SOLUTIONS**

**USG MIDDLE EAST  
CEILINGS CATALOGUE  
2023**

**USG ME** <sup>TM</sup>  
INNOVATIVE SOLUTIONS. EVERYTIME.



## HISTORY OF INNOVATION

Our mission is to deliver innovation that helps you work smarter, do more, and build better. Architects and construction companies need safer, faster, and less costly ways to build. Building owners need better running buildings with lower operating costs. And the need for sustainable construction to address global environmental challenges is growing fast. That's why throughout USG Middle East's history, we have continually developed innovative wall and ceiling products and systems for our customers.

With over 35 years of experience, we are a premier acoustic panel and specialty ceilings innovator that enhances the overall aesthetic of our customers' projects. Our portfolio includes Specialty Ceilings, Drywall Ceilings, Wood Wool Ceilings, Soft Fiber Ceilings, Mineral Fiber Ceilings, Gypsum Ceilings Tiles as well as both standard and seismically rated suspension systems.



[WWW.USGME.COM](http://WWW.USGME.COM)

Visit USG Middle East's website for new system designs, solutions, and latest product offerings.

Now you can plan and visualize your project, get a quote, and place your order through USGme.com

Visit USG Middle East's social media and digital platforms to stay updated on all our solutions and designs.

Follow us on:





METAL CEILING SOLUTIONS



ACOUSTICAL DRYWALL CEILING



SOFT FIBER CEILING



WOOD WOOL CEILING



GYPSUM CEILING TILES



SUSPENDED CEILING GRID

MINERAL FIBER CEILING

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USG Middle East is the regional leader in manufacturing ceiling suspension systems and is a recognized innovator in developing acoustical and gypsum panels as well as specialty ceiling systems. At USG Middle East, we believe that Ceiling products should not only bring your vision to life but should also enhance and inspire while reducing the building industry's impact on the environment.

USG Middle East Ceiling Solutions offers an extensive line of acoustical panels, suspension systems, integrated ceiling systems, and specialty ceiling systems. All USG Middle East Ceiling products are built to provide flexible design, easy installation, and outstanding performance.

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**GREAT SOLUTIONS START FROM HERE**

## SUSTAINABLE CEILINGS



### GREEN MANUFACTURING

Flexible and scalable production options with quicker delivery time. Our regional manufacturing facilities reduce the supply chain costs, energy consumption and transportation. USG ME is an excellent source of ceiling solutions for the regional community helping the environment with lesser emissions and energy usage. We care about earth: we provide green and sustainable products.



### HIGH RECYCLED CONTENT

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per Federal Trade Commission Environmental Marketing Guides (FTC guidelines).

Most of USG Middle East's Mineral Fiber products can be produced with HRC formulas for optimized recycled content to help maximize LEED® recycled content contribution.



### ENVIRONMENTAL PRODUCT DECLARATION

The Environmental Product Declaration (EPD) relies on the assessment tool—following ISO series 14040—to provide information on a number of environmental impacts of a product over its life cycle. EPD's are primarily intended to facilitate business transactions with clients who are focused on sustainable environmental practices.

Since adhering to the ISO series 14040, we have improved our goals for sustainability and demonstrated our commitment to sound environmental practices and our customers.



### THERMAL RESISTANCE

Thermal Resistance is a material's resistance to the flow of heat. For insulation purposes, high "R" values are the most desirable. The R-value is measured at an average temperature of 24°C (75°F) for each panel. The R-Value of our ceiling panels is a combination of thermal conductivity, measured according to norms EN12667 & ASTM C518, and the thickness of the material.

The thermal conductivity of our Mineral Fiber Materials wet felted is up to  $\lambda = 0.057$  W/mK,  $\lambda = 0.034$  W/mK for our Fiberglass base materials,  $\lambda = 0.036$  W/mK for our Stonewool base materials, and  $\lambda = 0.066$  W/mK for our Skynest® Woodwool base materials. The smaller the  $\lambda$ -value, the better the thermal insulation of the material.

The U-value (Thermal Transmittance) is the inverse of the R-value (Thermal Resistance). However, the U-value takes into account the whole system to evaluate heat loss and should not be calculated as a single component.

We produce and promote ceiling systems to help enhance thermal resistance performance reducing the overall energy consumption optimizing the LEED® contribution.



### LIGHT REFLECTANCE

Ceiling systems are a key element of energy conservation. A well-designed ceiling with high light reflectance improves space illumination, which means fewer light fixtures, reduced electrical light output, lower maintenance costs, and reduced cooling costs. Ceilings with high light reflectance, which reflect up to 90% of the light back into space, can reduce energy consumption by up to 20%.



### GREENGUARD

GREENGUARD Certification Program is for Products that have scientifically been proven to meet many of the world's most rigorous third-party chemical emissions standards, helping to improve indoor air quality. By choosing products with GREENGUARD Certification, you are creating a healthier indoor environment for your home, office, or institution and reducing chemical exposure. USG Middle East's Ceiling Systems are certified as GREENGUARD Gold as per the UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes, and Furnishings.



### CERTIFIED FOR FSC AND PEFC

The Forest Stewardship Council (FSC) and The Programme for the Endorsement of Forest Certification (PEFC) set standards for responsible forest management. Both the FSC and PEFC aim to protect forests for future generations by ensuring sustainable harvest levels and regeneration after harvest, and through conservation initiatives that protect biodiversity, soil, and water quality. USG Middle East Wood Wool systems are FSC and PEFC certified.

# ASSURING BALANCED ACOUSTICS SOLUTIONS

## ACOUSTICAL PERFORMANCE

A special acoustic design is needed to create a suitable space for certain planned functions. There are two sound-related factors to consider when designing a building:

- Choose quiet equipment (e.g., elevators, pumps, heating, and ventilation equipment, etc.).
- Reduce sound in the building by means of room acoustics and sound insulation.

It is important not to confuse the terms sound insulation and sound absorption.

Sound may be absorbed, transmitted, or reflected. Within a room's boundary—such as a roof, floor, or wall—is hit by a sound wave, some of the sound's energy will be reflected, some will be absorbed, and some will be transmitted through it.

The proportion which is reflected, absorbed, or transmitted depends on the shape of the material hit by the sound wave and the frequency of the sound. Based on this, three acoustical parameters can be defined.

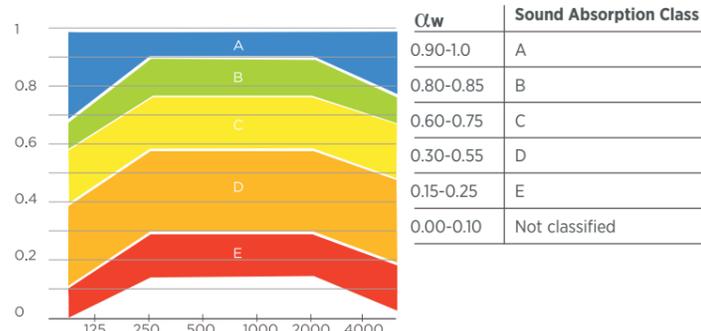
- Absorption coefficient,  $\alpha_w$  = (absorbed sound + transmitted sound)/(incident sound)
- Reflection coefficient,  $\alpha_r$  = (reflected sound)/(incident sound)
- Transmission coefficient,  $\alpha_t$  = (transmitted sound)/(incident sound)



### SOUND ABSORPTION (NRC, $\alpha_w$ )

Noise Reduction Coefficient (NRC and  $\alpha_w$ ) measures sound absorption.

0.70 means the material absorbs 70% of sound waves transmitted to the ceiling panel. This is important to consider when planning acoustics within a confined area. NRC tests are conducted according to ASTM C423, which is the Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.



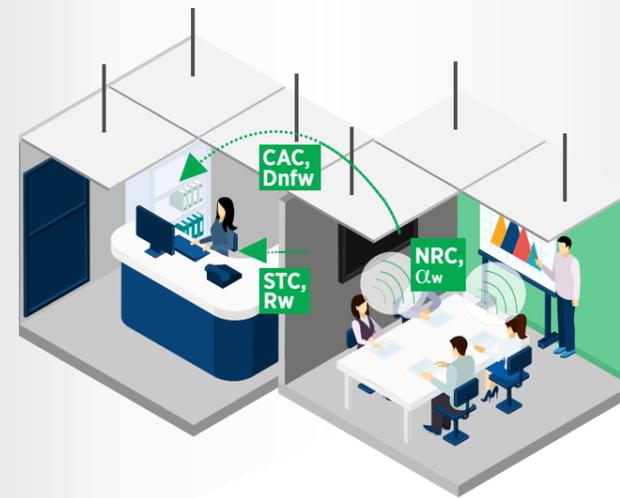
### CEILING ATTENUATION CLASS (CAC, Dnfw)

Ceiling Attenuation Class (CAC) and Double Pass Sound Attenuation (Dnfw) apply to the sound attenuation of acoustical ceilings with a shared plenum between horizontally adjacent spaces and a common void above them.

A value of under 25dB is considered low, while a value of 35dB and above is exceptional. CAC tests are conducted per ASTM E1414 and classified per ASTM E413—the Standard Test Method for Airborne Sound Attenuation between rooms sharing a common ceiling plenum. ASTM E413 is a classification for rating Sound Insulation.

### SOUND TRANSMISSION CLASS (STC) WEIGHTED SOUND REDUCTION INDEX (Rw)

Rw and STC are widely used to measure the level of sound-insulating abilities of walls, floors, windows, and doors. They are expressed in decibels (dB). The higher Rw or STC figures, the better the sound isolation.



### REVERBERATION TIME

The length of time sound reverberates within a space indicates how long acoustic energy remains in it. It is usually defined as the time for the acoustic intensity to decrease by a factor of one million.

Sound absorption is directly related to reverberation time and is calculated using a formula called the Sabine formula. Reverberation time is dependent on the size and shape of the space and the amount, quality, and positioning of absorbing surfaces within the space. The more sound absorption in the room, the lower the reverberation time will be.

# ADVANCED SOLUTIONS TO PROTECT YOU



## SAFE SYSTEMS



### FIRECODE

#### Flame Spread Classification

Interior wall and ceiling materials are classified in accordance with ASTM E84 or UL 723. Such interior finishing materials are grouped according to their flame spread and smoke-development indexes.

Classification	Flame Spread Index (FSI)	Smoke Development Index (SD)
<b>Class 1 or A</b>	0-25	450 maximum
<b>Class 2 or B</b>	26-75	450 maximum
<b>Class 3 or C</b>	76-200	450 maximum

#### Reaction To Fire Classification

The material reaction to fire is defined by Euro classes A1 to F. Classification is based on the tendency of a material to avoid flashover or promote flashover. Non-combustible materials and products (A1 and A2) will not cause flashover. USG ME Mineral Fiber products are classified in Euro class A2-s1, d0 (as per EN ISO 13501-1 classification), which means they do not contribute to fire. The reaction to fire performance is tested in accordance with EN 13501-1:2007+A1: 2009.

Fire Behavior	Example	Smoke Production	Flaming Droplets
<b>A1, A2</b>	Mineral Fiber, Stone wool, Mineral Wool, Gypsum board	s1 (least smoke)	d0 (no burning droplets)
<b>B</b>	Painted gypsum board		
<b>C</b>	Gypsum board with wallpaper	s2	d1
<b>D</b>	Wood	s3	d2
<b>E</b>	Fire-retardant EPS		
<b>F</b>	Non-tested materials, EPS		

A2 s1 d0  
1 2 3

1. Main class
2. Smoke production
3. Occurrence of flaming droplets/particles

#### Fire Resistance

Fire separating elements, such as fire walls and floor structures, are tested and evaluated in accordance with ASTM E 119 (Fire Tests of Building Construction and Materials).

ASTM E119 is an assembly test, not a product test carried out in full scale. The Fire-Resistance Rating of a Ceiling Assembly (ANSI UL 263 – ASTM E119 and NFPA 251) represents the degree to which (measured in hours) the entire assembly, not individual components, withstands fire and high temperatures.



### ENVIRONMENTAL AIR QUALITY

USG ME's ceiling panels do not contain asbestos, carcinogens, mutagens, or toxic substances.

Our ceiling products are classified and certified to have low impact on indoor air quality. Even when installed in a fully furnished room with little fresh air, the concentration of VOCs and Formaldehyde are well below accepted standards.



### HEALTHCARE

Our ceiling panels support healthy environments in all healthcare facilities according to the most stringent international standards:

#### Antibacterial Coating

Antimicrobial coating will provide lasting protection against microbes, harmful bacteria, mold, and fungus—ultimately helping to minimize stains, bad odors, and material degradation. Antimicrobial coating is more durable and lasts longer by making your ceiling systems less susceptible to mold growth and associated odors.

#### Clean Room Classification\*

We provide ceiling panels Classified as Clean Room ISO 4 and ISO 5 as per ISO 14644-1

* Clean Room™ Classification							
FED STD 209D/209E	ISO 14644-1	Industry Application Areas					
English	Metric	ISO Class					
-	-	1					
-	-	2					
1	M1.5	3	Micro-electronics				
10	M2.5	4					
100	M3.5	5					
1,000	M4.5	6	Pharmaceutical	Electronics and Food	Automotive and Space		
10,000	M5.5	7					
100,000	M6.5	8					
-	-	9					

#### Water Absorbance

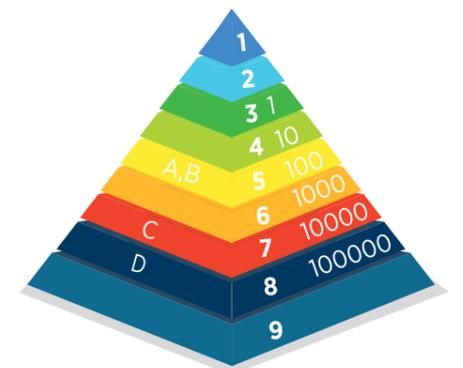
As per a project request, we provide a layer of absorbent material on our ceiling panels to resist a moderate amount of dripping water for up to 2 hours.

#### FGI Guidelines

The Facility Guidelines Institute (FGI) is a non-profit organization that works to develop guidelines for designing and building hospitals and other healthcare facilities. USG Middle East has developed a selected ceiling systems that follow the latest FGI requirements.

#### Mold Prevention

Almost all of USG Middle East's ceiling panels are rated a 10 as per the ASTM D3273 scale for mold prevention applications.





# **CELEBRETTO<sup>®</sup>** METAL CEILING SOLUTIONS

The Celebretto<sup>®</sup> product line offers an extensive array of acoustical panels, suspension systems, and integrated ceiling systems. All USG ME metal ceiling solutions are manufactured to provide flexible design, easy installation, and outstanding performance. The Celebretto<sup>®</sup> line aims to bring visions to life while reducing the building industry's impact on the environment.

Turn your visions into reality with the Celebretto product line. Immerse yourself in a world of unparalleled design options!

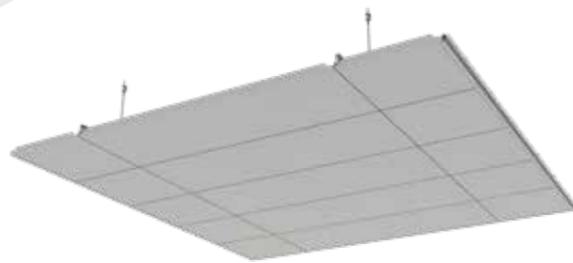


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Refer to Colors, Finishes and Perforation Patterns Section

HOOK-ON CEILING SYSTEM DRAWINGS



**FEATURES AND BENEFITS**

- Concealed suspension ceiling system with a variety of configurations that can fit any contemporary interior design.
- All panels are demountable without the need for special tools, allowing easy access to plenum for simple maintenance.
- Configurable panel sizes and layouts offer the designer more freedom with their design.

**APPLICATIONS**

- Airports
- Train stations
- Commercial spaces
- Offices
- Lounges
- Open halls

Sound Absorption	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece		0.70	<b>0.95</b>	<b>0.75</b>	<b>0.75</b>	<b>0.80</b>	0.80	<b>0.75</b>
A1 Pattern** with Infill***		0.70	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

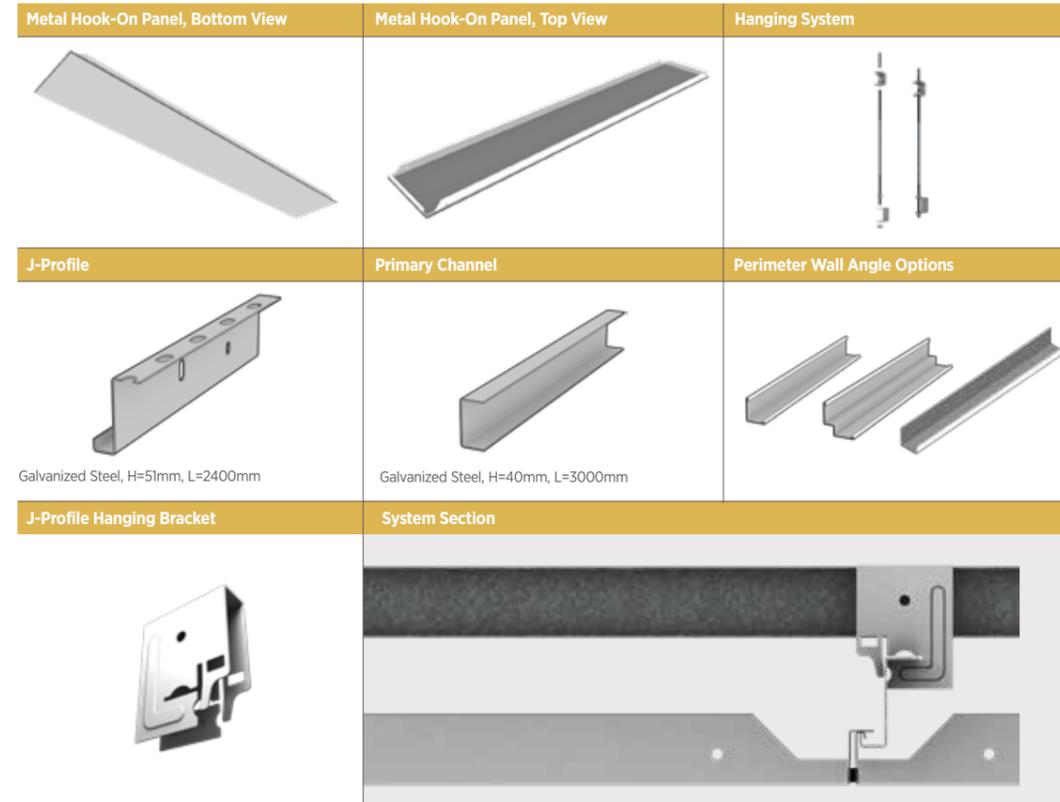
\* Calculated to ASTM C 423-01  
 \*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%  
 \*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



## HOOK-ON



### HOOK-ON CEILING SYSTEM COMPONENTS



### SYSTEM DRAWINGS



1 Hook-On Panel 2 J-Profile 3 Primary Channel 4 Hanging System 5 Perimeter Wall Angle

### SYSTEM SPECIFICATION

**Material Classification**  
Galvanized Steel: Type V  
Aluminium: Type VII  
Stainless Steel: Type VI  
Pattern: A, C, G

**Thickness**  
Powder coat finish: 0.6mm - 1.4mm  
Wooden finish: 0.6mm

**Panel Height**  
40mm up to 200mm

**Panel Width**  
200mm up to 1200mm

**Panel Length**  
Up to 2400mm

**Edge (optional)**  
3mm black gasket

**Color**  
Standard colors are RAL 9005, RAL 9006, RAL 9016.  
Other RAL colors are available upon request.

**Light Reflectance Coefficient [LR]**  
Based on the finish color and perforation pattern, LR up to 0.82

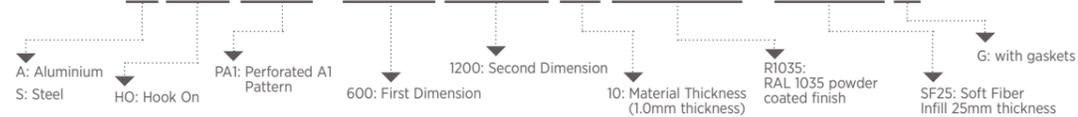
**Surface Burning Characteristics per ASTM E 84**  
Class A

**Additional Information**

- Thickness depends on panel sizes and project requirements
- Consult USG ME for other panel widths

### ITEM CODIFICATION

**AHOPA1-600120010R1035-SF25G**



## HOOK-ON



### HOOK-ON METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm

- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

### INFILL OPTIONS\*



\* Additional backer options available for NRC and CAC enhanced total acoustical performance



# CELEBRETTO® CORRIDOR SYSTEM - HOOK ON

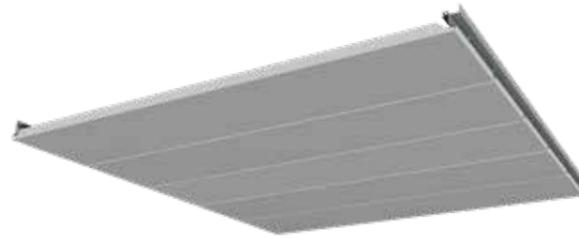


VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



Refer to Colors, Finishes  
and Perforation  
Patterns Section

CORRIDOR CEILING-HOOK ON SYSTEM DRAWINGS



## FEATURES AND BENEFITS

- Free span solution - eliminates the need for threaded rods and vertical hangers.
- Quick installation.
- Ideal for corridors that have condensed MEP fixtures.
- Total access to ceiling void allowing easy maintenance.

## APPLICATIONS

- Airports
- Hospitals
- Schools
- Business & residential towers
- Hotels

Sound Absorption	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece		0.70	<b>0.95</b>	<b>0.75</b>	<b>0.75</b>	<b>0.80</b>	0.80	<b>0.75</b>
A1 Pattern** with Infill***		0.70	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

\* Calculated to ASTM C 423-01

\*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

\*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



## CORRIDOR SYSTEM - HOOK ON



### CORRIDOR CEILING SYSTEM COMPONENTS

<b>Corridor Ceiling Panel, Bottom View</b>	<b>Corridor Ceiling Panel, Top View</b>	<b>Angle Bar</b>
		 Galvanized Steel: H=30mm, L=2400mm
<b>J Profile</b>	<b>Z Profile</b>	<b>Bolt Pan Head</b>
 Galvanized Steel, H=51mm, L=2400mm	 Galvanized Steel, 27.50 x 15 x 27.50mm, L=2400mm	 4.8x16mm

### SYSTEM DRAWINGS



1 Corridor Ceiling Panel 2 Angle Bar 3 J profile 4 Z Profile

### SYSTEM SPECIFICATION

#### Material Classification

Galvanized Steel: Type V  
Aluminium: Type VII  
Stainless Steel: Type VI  
Pattern: A, C, G

#### Thickness

Powder coat finish: 0.6mm - 1.4mm  
Wooden finish: 0.6mm

#### Panel Height

40mm up to 200mm

#### Panel Width

200 to 600mm

#### Panel Length

Up to 2400mm

#### Edge (optional)

3mm black gasket

#### Light Reflectance Coefficient [LR]

Based on the finish color and perforation pattern, LR up to 0.82

#### Color

Standard colors are RAL 9016, RAL 9006 and RAL 9010.

Other RAL colors are available upon request. Wooden patterns are available upon request

#### Surface Burning Characteristics per ASTM E 84

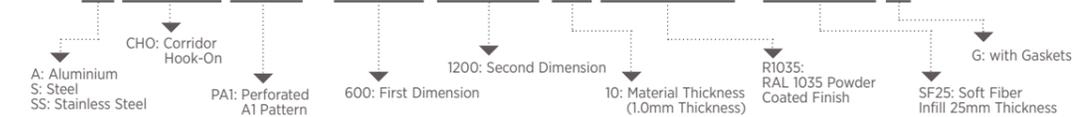
Class A

#### Additional Information

- Thickness depends on panel sizes and project requirements
- Consult USG ME for other panel widths

### ITEM CODIFICATION

# ACHOPA1-600120010R1035-SF25G



## CORRIDOR SYSTEM - HOOK ON



### CORRIDOR SYSTEM-HOOK ON METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm

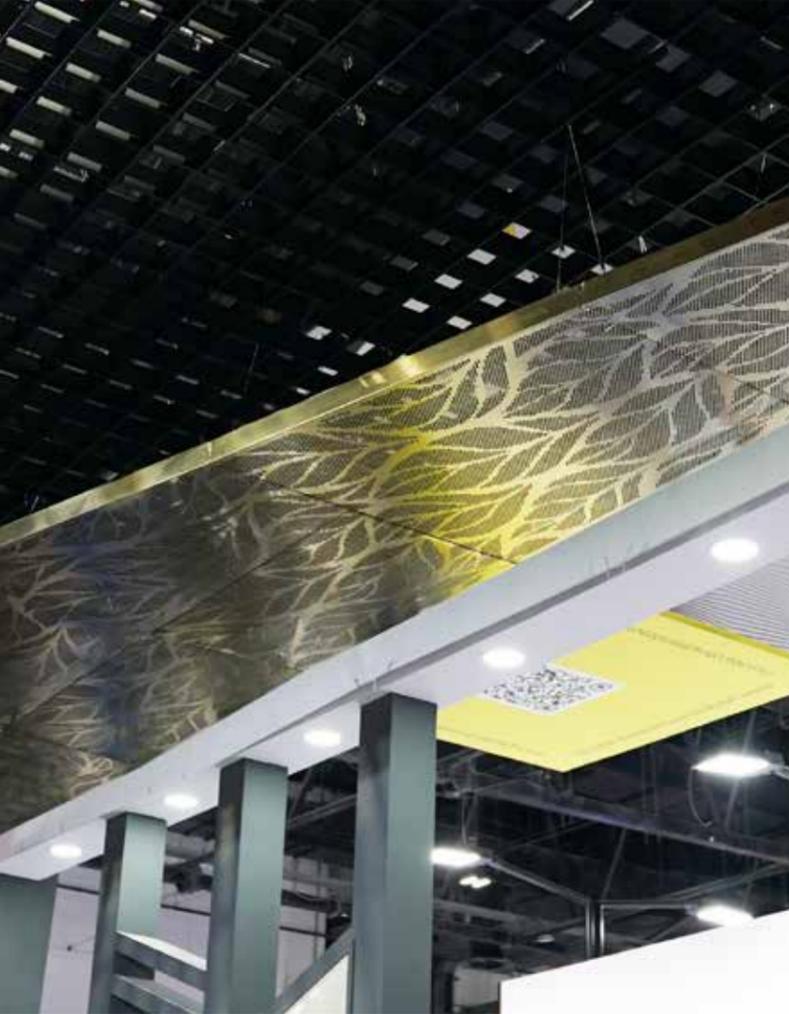
- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

### INFILL OPTIONS\*

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

\* Additional backer options available for NRC and CAC enhanced total acoustical performance



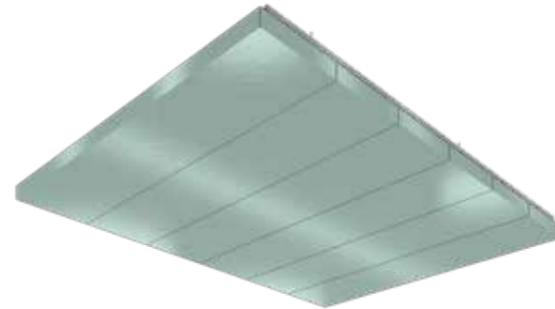


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Refer to Colors, Finishes  
and Perforation  
Patterns Section

ISLAND HOOK-ON CEILING SYSTEM DRAWINGS



**FEATURES AND BENEFITS**

- Featuring a concealed island suspension ceiling system with special design configurations.
- All island panels are demountable without the need for special tools, allowing easy access to plenum for simple maintenance.
- Configurable panel sizes and layouts offer the designer more freedom with their design.

**APPLICATIONS**

- Airports
- Train stations
- Commercial spaces
- Offices
- Lounges
- Open halls
- Hotel lobbies

Sound Absorption	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece		0.70	<b>0.95</b>	<b>0.75</b>	<b>0.75</b>	<b>0.80</b>	0.80	<b>0.75</b>
A1 Pattern** with Infill***		0.70	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

\* Calculated to ASTM C 423-01

\*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

\*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



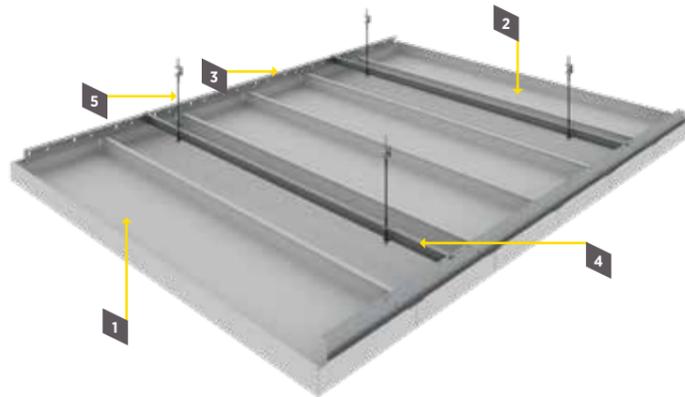
## ISLAND HOOK-ON



### ISLAND HOOK-ON CEILING SYSTEM COMPONENTS

<b>Island Hook-On Middle Panel</b>	<b>Island Hook-On End Panel</b>	<b>Primary Channel</b>
<b>J Profile</b>	<b>Hanging System</b>	<b>Bolt Pan Head</b>
Galvanized Steel, H=51mm, L=2400mm		4.8x16mm

### SYSTEM DRAWINGS



1 Island Hook on panel 2 Island Hook on Panel End 3 J Profile 4 Primary Channel 5 Hanging System

### SYSTEM SPECIFICATION

<b>Material Classification</b> Galvanized Steel: Type V Aluminium: Type VII Stainless Steel: Type VI Pattern: A, C, G <b>Thickness</b> Powder coat finish: 0.6mm - 1.4mm Wooden finish: 0.6mm <b>Panel Height</b> 40mm up to 200mm <b>Panel Width</b> 200mm to 600mm	<b>Panel Length</b> Up to 2400mm <b>Edge (optional)</b> 3mm black gasket <b>Color</b> Standard colors are RAL 9005, RAL 9006, RAL 9016. Other RAL colors are available upon request. <b>Light Reflectance Coefficient [LR]</b> Based on the finish color and perforation pattern, LR up to 0.82	<b>Surface Burning Characteristics per ASTM E 84</b> Class A <b>Additional Information</b> <ul style="list-style-type: none"> <li>Thickness depends on panel sizes and project requirements</li> <li>Consult USG ME for other panel widths</li> </ul>
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### ITEM CODIFICATION

AIHO150PA1-E-60010007R10-SF25G

A: Aluminium  
 S: Steel  
 SS: Stainless Steel  
 IHO: Island Hook-On  
 150: Panel Height  
 PA1: Perforated A1 Pattern  
 E: End Panel (optional)  
 600: Panel Width  
 1000: Panel Length  
 7: Material Thickness (0.7mm Thickness)  
 R10: RAL 9010  
 SF25: Soft Fiber Infill 25mm Thickness  
 G: with Gaskets

## ISLAND HOOK-ON



### ISLAND HOOK-ON METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm
- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

### INFILL OPTIONS\*

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

\* Additional backer options available for NRC and CAC enhanced total acoustical performance



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Refer to Colors, Finishes  
and Perforation  
Patterns Section

INTERSECTO CEILING SYSTEM DRAWINGS



**FEATURES AND BENEFITS**

- Modern modular design, configurable options.
- Crossing panel can be aligned with partitions.
- Crossing Panel width is adjustable from narrow to wide.
- The crossing box adds continuity and a special appearance to the ceiling design.
- All panels are demountable allowing easy access to plenum.
- Easy service integration.

**APPLICATIONS**

- Public areas
- Reception
- Lobbies
- Office spaces
- Libraries
- Lecture halls
- Airports

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Infill***	0.50	<b>0.60</b>	<b>0.65</b>	<b>0.75</b>	<b>0.70</b>	0.70	<b>0.70</b>

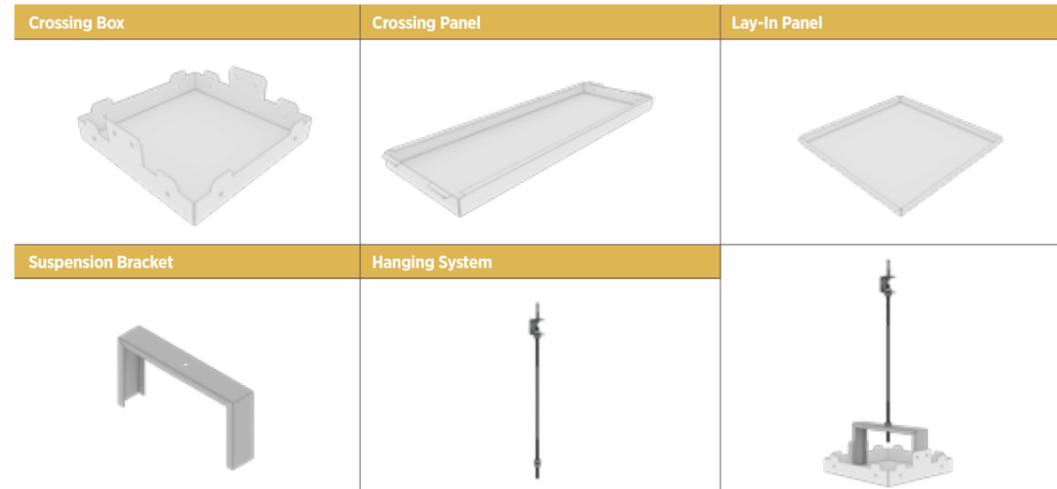
Sound Absorption

\* Calculated to ASTM C 423-01  
 \*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%  
 \*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber

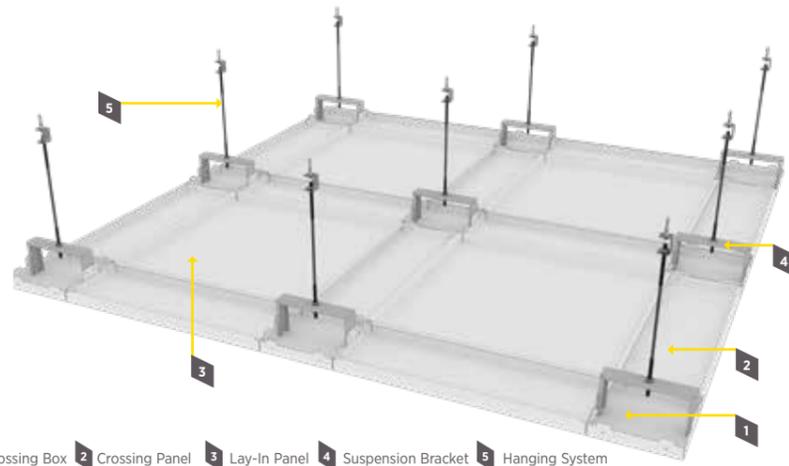
## INTERSECTO



### INTERSECTO CEILING SYSTEM COMPONENTS



### SYSTEM DRAWINGS



1 Intersecto Crossing Box 2 Crossing Panel 3 Lay-In Panel 4 Suspension Bracket 5 Hanging System

### SYSTEM SPECIFICATION

**Material Classification**  
Galvanized Steel: Type V  
Aluminium: Type VII  
Stainless Steel: Type VI  
Pattern: A, C

**Thickness**  
Powder coat finish: 0.6mm - 1.4mm  
Wooden finish: 0.6mm

**Panel Height**  
30mm

**Panel Size**  
Standard: 600x600mm

**Crossing Panel Length**  
Up to 2400mm

**Crossing Panel Width**  
100, 150 and 200mm

**Color**  
Standard colors are RAL 9005, RAL 9006, RAL 9016.  
Other RAL colors are available upon request.

**Light Reflectance Coefficient [LR]**  
Based on the finish color and perforation pattern, LR up to 0.82

**Surface Burning Characteristics per ASTM E 84**

Class A

**Additional Information**

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel sizes

### ITEM CODIFICATION

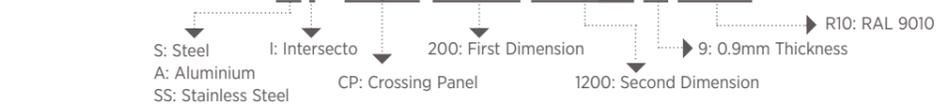
Lay In Panel

**AILPA1-60060010R10-SF38**



Crossing Panel

**SI-CP-20012009R10**



Crossing Box

**SI-CB-2009R10**



## INTERSECTO



### INTERSECTO METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

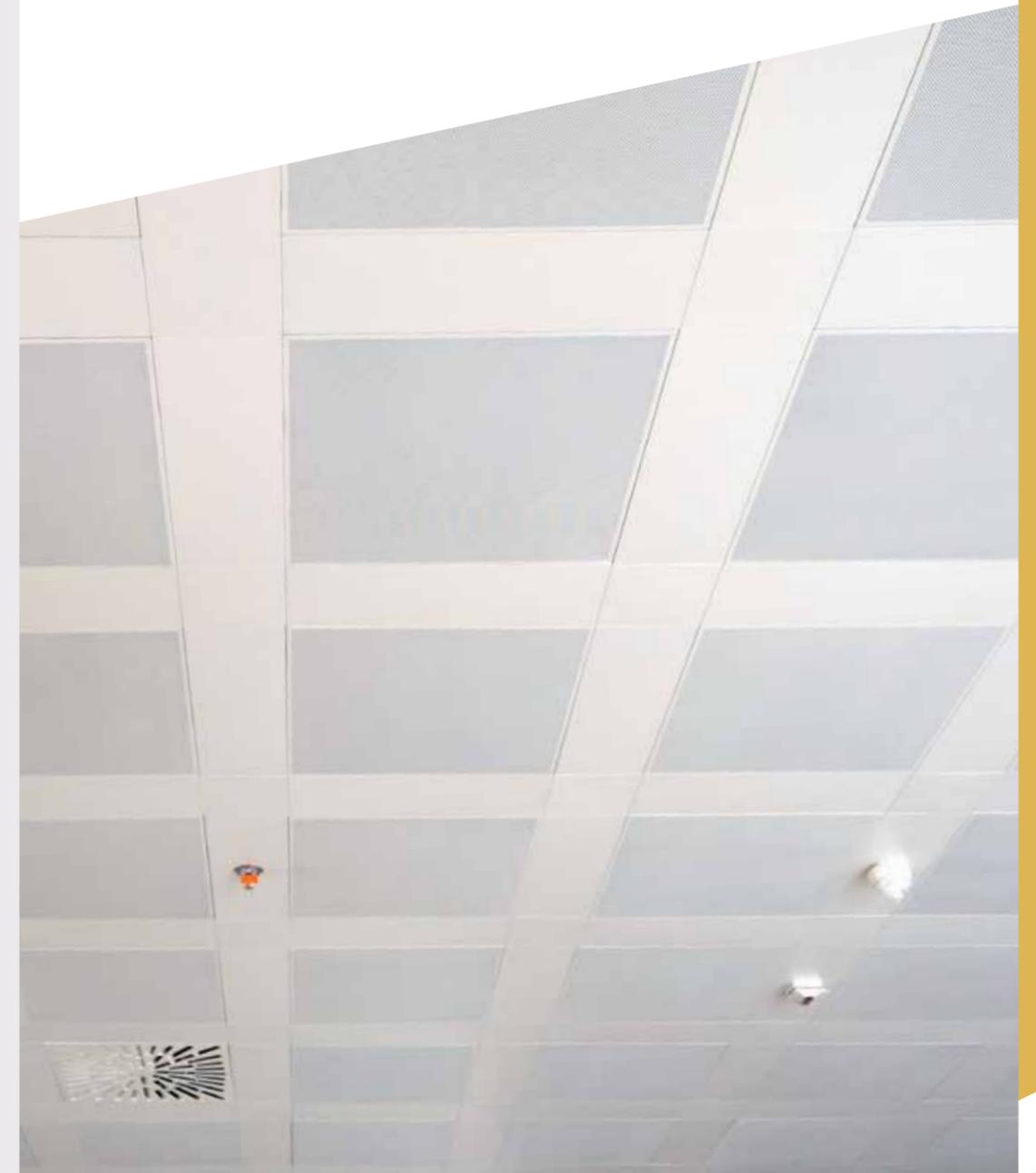
PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Intersecto Metal Ceiling with Infill	35	0.70

• A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm

### INFILL OPTIONS\*

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

\* Additional backer options available for NRC and CAC enhanced total acoustical performance

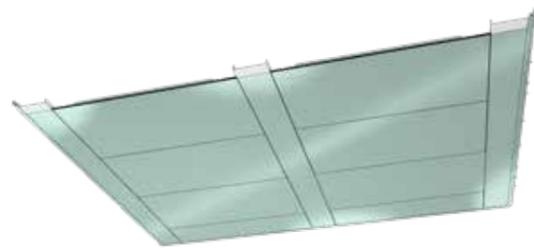


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Refer to Colors, Finishes  
and Perforation  
Patterns Section

LINEAR TRACK CEILING SYSTEM DRAWINGS



**FEATURES AND BENEFITS**

- Modular design, configurable options.
- Linear track channel can be aligned with partitions.
- Linear track channel width is adjustable from narrow to wide.
- All panels are demountable without the need for special tools, allowing easy access to plenum.
- Easy service integration.

**APPLICATIONS**

- Large office spaces
- Train stations
- Universities
- Airports
- Executive offices

Sound Absorption	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece		0.70	<b>0.95</b>	<b>0.75</b>	<b>0.75</b>	<b>0.80</b>	0.80	<b>0.75</b>
A1 Pattern** with Infill***		0.70	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

\* Calculated to ASTM C 423-01

\*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

\*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil

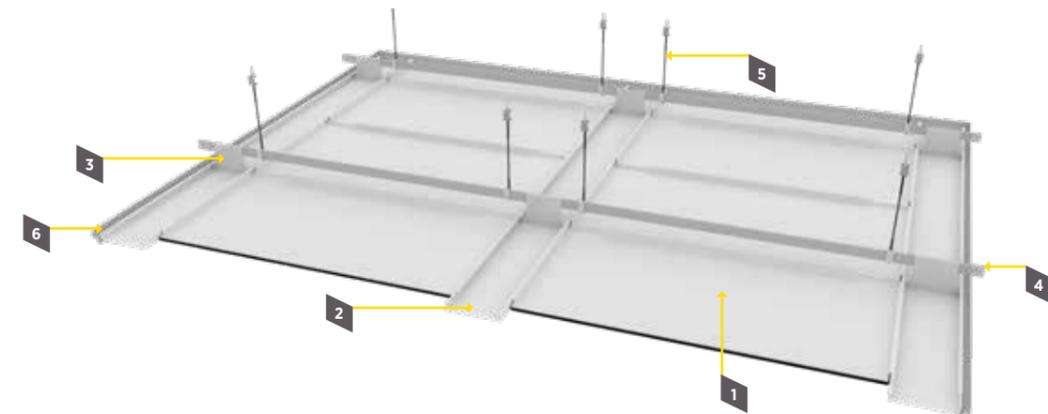
## LINEAR TRACK



### LINEAR TRACK SYSTEM COMPONENTS



### SYSTEM DRAWINGS



1 Linear Track Panel 2 Linear Track Channel 3 C-Channel Bracket 4 Primary Channel 5 Hanging System 6 Perimeter Wall Angle

### SYSTEM SPECIFICATION

#### Material Classification

Galvanized Steel: Type V  
Aluminium: Type VII  
Stainless Steel: Type VI  
Pattern: A, C, G

#### Thickness

Powder coat finish: 0.6mm - 1.4mm  
Wooden finish: 0.6mm

#### Panel Height

30mm to 50mm

#### Linear Track Width

100mm/150mm/200mm/250mm/300mm

#### Panel Width

200mm to 600mm

#### Panel Length

Up to 2400mm

#### Edge (optional)

3mm black gasket

#### Light Reflectance Coefficient [LR]

Based on the finish color and perforation pattern, LR up to 0.82

#### Color

Standard colors are RAL 9016, RAL9006 and RAL9010.

Other RAL colors are available upon request

Wooden patterns are available upon request

#### Surface Burning Characteristics per ASTM E 84

Class A

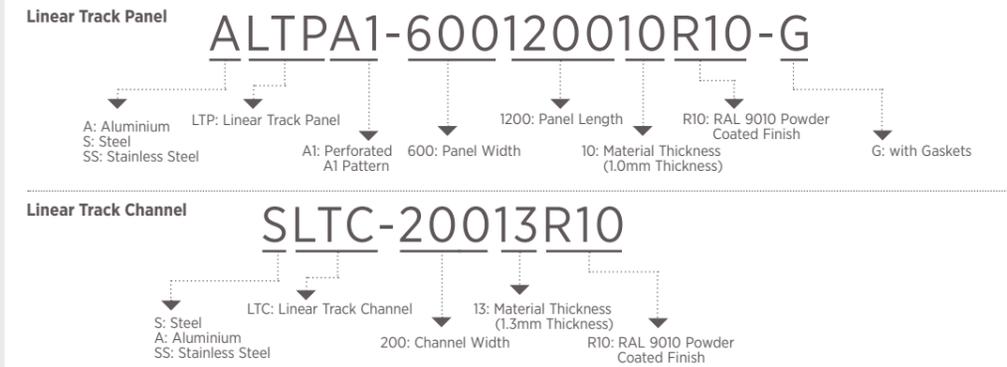
#### Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

## LINEAR TRACK



### ITEM CODIFICATION



### LINEAR TRACK METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm

- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

### INFILL OPTIONS\*

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

\* Additional backer options available for NRC and CAC enhanced total acoustical performance



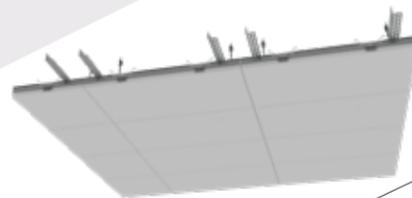


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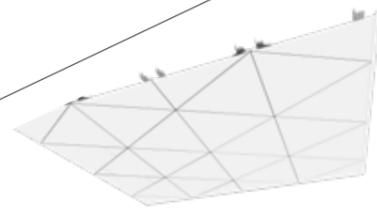


Refer to Colors, Finishes  
and Perforation  
Patterns Section

RECTANGULAR



TRIANGULAR



**FEATURES AND BENEFITS**

- Featuring a concealed suspension ceiling system with a variety of configurations that can fit any contemporary interior design.
- All panels are demountable allowing easy access to plenum for easy maintenance.
- Configurable panel sizes and layouts, allowing the designers flexibility in their design.
- Available in two standard designs: triangular and rectangular.

**APPLICATIONS**

- Airports
- Train stations
- Commercial spaces
- Offices
- Lounges
- Open halls
- Restaurants

Sound Absorption	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece		0.70	<b>0.95</b>	<b>0.75</b>	<b>0.75</b>	<b>0.80</b>	0.80	<b>0.75</b>
A1 Pattern** with Infill***		0.70	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

\* Calculated to ASTM C 423-01  
 \*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%  
 \*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



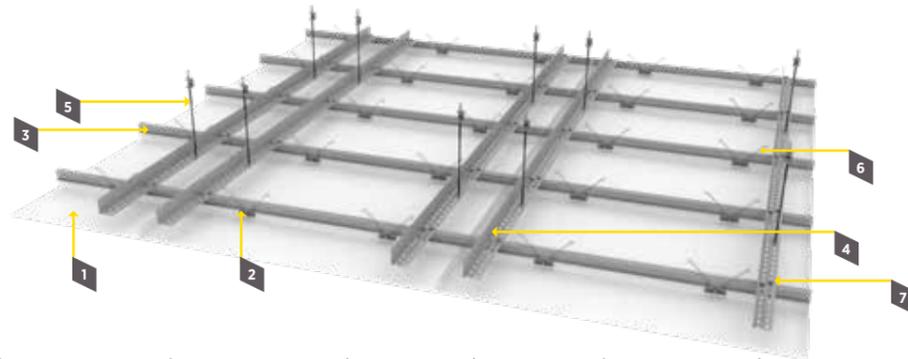
## TORSION SPRING



### TORSION SPRING SYSTEM COMPONENTS

<b>Torsion Spring Panel Option Design</b>	<b>Primary Channel Slotted</b>	<b>Torsion Spring Bracket</b>
<b>Torsion Spring Channel</b>	<b>Hanging System</b>	<b>Torsion Spring Wire</b>

### SYSTEM DRAWINGS



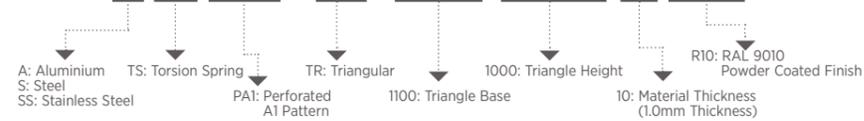
1 Torsion panel 2 Torsion Spring Bracket 3 Torsion Spring Channel 4 Hanging Profile 5 Hanging system 6 Torsion Spring Wire 7 Hex & Nut

### SYSTEM SPECIFICATION

<b>Material Classification</b> Galvanized Steel: Type V Aluminium: Type VII Stainless Steel: Type VI Pattern: A, C, G <b>Thickness</b> Powder coat finish: 0.6mm - 1.4mm Wooden finish: 0.6mm <b>Panel Height</b> 40mm to 70mm <b>Rectangular Panel Width</b> 200mm to 600mm	<b>Rectangular Panel Length</b> Up to 2400mm <b>Triangular Panel</b> Up to 1200mm <b>Color</b> Standard colors are RAL 9005, RAL 9006, RAL 9016. Other RAL colors are available upon request. <b>Light Reflectance Coefficient [LR]</b> Based on the finish color and perforation pattern, LR up to 0.82	<b>Surface Burning Characteristics per ASTM E 84</b> Class A <b>Additional Information</b> <ul style="list-style-type: none"> <li>Thickness depends on panel sizes and project requirements</li> <li>Consult factory for other panel sizes</li> </ul>
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### ITEM CODIFICATION

ATSPA1-TR-1100100010R10



## TORSION SPRING



### TORSION SPRING METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm
- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

### INFILL OPTIONS\*

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

\* Additional backer options available for NRC and CAC enhanced total acoustical performance



# CELEBRETTO® STRIP CEILING

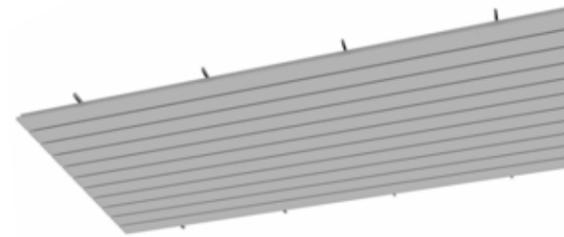


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Refer to Colors, Finishes  
and Perforation  
Patterns Section

STRIP CEILING SYSTEM DRAWINGS



## FEATURES AND BENEFITS

- New strip panels offer beautiful aesthetics and acoustics.
- Enhanced NRC performance with added acoustical backer.
- Standard and customizable perforations are available to create numerous visual patterns and to help with acoustical performance.
- A variety of mounting arrangements are available to accommodate any installation requirements and conditions; concealed, closed gap and curved edges with filler strip

## APPLICATIONS

- Corridors
- Commercial offices
- Public areas
- Reception
- Airport
- Restrooms

Sound Absorption	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece		0.70	<b>0.95</b>	<b>0.75</b>	<b>0.75</b>	<b>0.80</b>	0.80	<b>0.75</b>
A1 Pattern** with Infill***		0.70	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

\* Calculated to ASTM C 423-01  
 \*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%  
 \*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



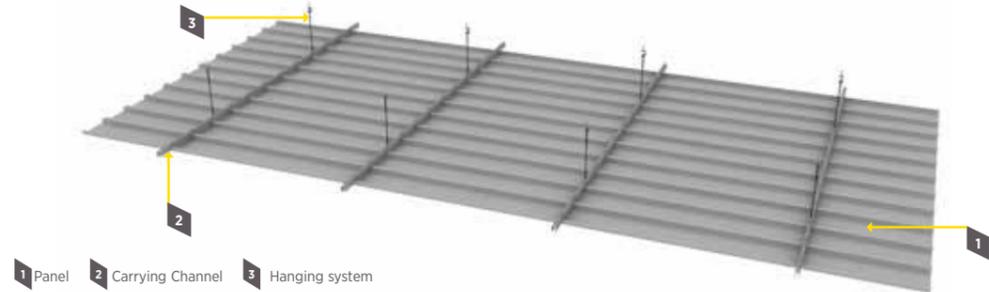
## STRIP CEILING



### STRIP SYSTEM COMPONENTS



### SYSTEM DRAWINGS



### SYSTEM SPECIFICATION

**Material Classification**  
Galvanized Steel: Type V  
Aluminium: Type VII  
Stainless Steel: Type VI  
Pattern: G

**Thickness**  
Prepainted Galvanized Steel: 0.5mm - 0.7mm  
Prepainted Aluminium: 0.6mm - 1.0mm  
Powder Coated: 0.6mm - 1.0mm  
Wooden Finish: 0.6mm

**Panel Width**  
80mm to 200mm

**Panel Length**  
Powder Coated: Up to 3.5M  
Prepainted and Wood Finish: Up to 6M

**Panel Height**  
Refer to strip design drawing

**Light Reflectance Coefficient [LR]**  
Based on the finish color and perforation pattern, LR up to 0.82

**Color**  
Standard colors are RAL 9016, RAL 9006 and RAL 9010.  
Other RAL colors are available upon request

**Surface Burning Characteristics per ASTM E 84**  
Class A

**Additional Information**

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

### ITEM CODIFICATION



### STRIP METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	26	0.90

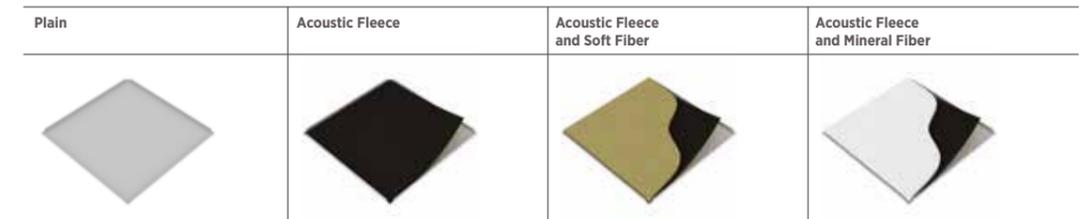
• A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm  
• B2 Pattern: Even Pattern, Hole Size Dia 2.5mm  
• 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm

• 15E Pattern: Even Pattern, Hole Size Dia 1.5mm  
• 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

## STRIP CEILING



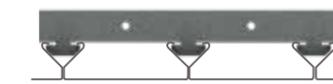
### INFILL OPTIONS\*



\* Additional backer options available for NRC and CAC enhanced total acoustical performance

### STRIP DESIGNS

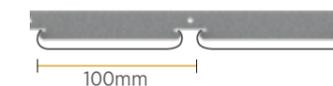
#### CLD: CONCEALED



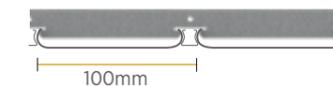
#### CG20: CLOSED GAP 20MM



#### CVD: CURVED EDGES



#### CVDF: CURVED EDGES WITH FILLER STRIP



# CELEBRETTO® PARALINE BAFFLES



## FEATURES AND BENEFITS

- Paraline baffles are metal baffles with easy access to enclosed plenum.
- Available in a wide range of system sizes with different baffles dimensions and finishes, as per a project's requirements.
- Unique modern look that fits any interior design concept.
- Available with an optional closing strip.
- Available in plain and perforated pattern for acoustic performance.
- Special design - metal baffle integrated with linear strip ceiling to improve the space aesthetic and acoustic performance.
- Can be installed directly onto the existing ceiling or with hanging suspension system.

## APPLICATIONS

- Entertainment
- Lobbies
- Restaurants
- Offices
- Transportation

VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



Refer to Colors, Finishes and Perforation Patterns Section

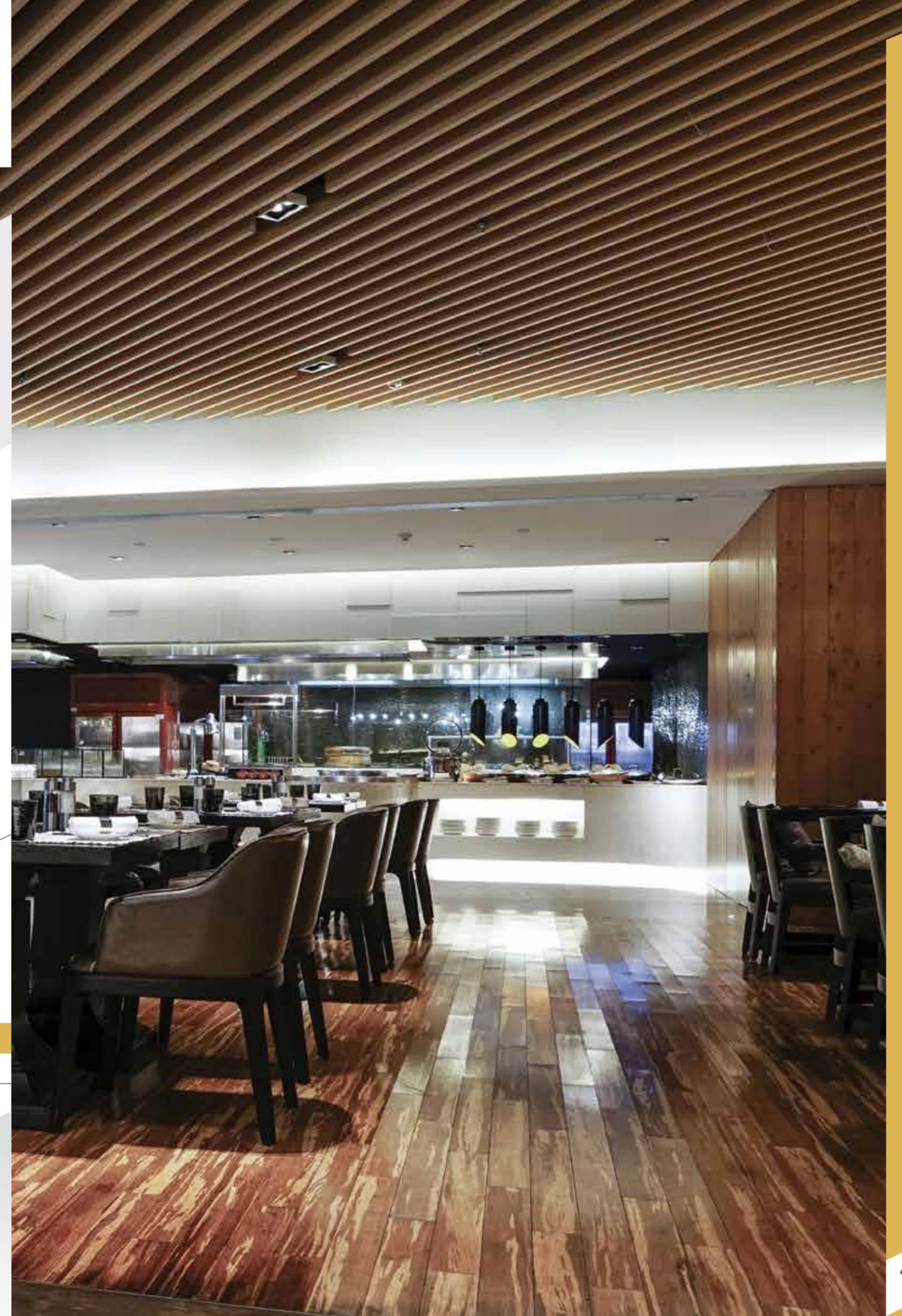
PARALINE BAFFLES DRAWINGS



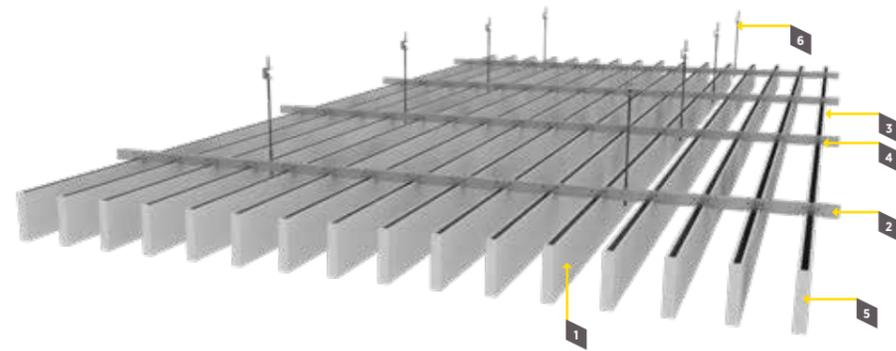
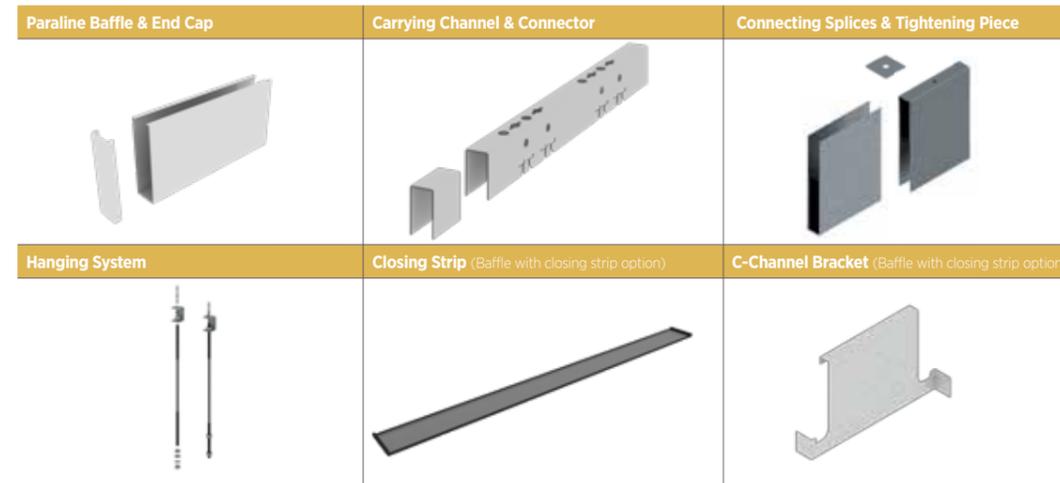
Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern Fully Perforated**	0.25	0.50	1.0	1.0	1.0	1.0	0.85

\* Calculated to ASTM C 423-01  
\*\* Acoustic Fleece and 38mm Soft Fiber Infill



## PARALINE BAFFLES



1 Paraline Baffles 2 Metal Carrying Channel 3 Baffle Connecting Splice 4 Carrying Channel Connecting Splice 5 End Cap 6 Hanging System

**Material Classification**  
Galvanized Steel: Type V  
Aluminium: Type VII  
Stainless Steel: Type VI  
Pattern: A, C, G

**Thickness**  
Powder coat finish: 0.6mm - 1.4mm  
Wooden finish: 0.6mm

**Baffle Width**  
30mm/40mm/50mm/80mm/100mm/  
150mm

**Baffle Height**  
50mm/80mm/100mm/150mm/200mm

**Baffle Length**  
Up to 2400mm

**Baffle Spacing (clear gap)**  
Min 30mm

**Light Reflectance Coefficient [LR]**  
Based on the finish color and perforation pattern, LR up to 0.82

**Color**  
Standard colors are RAL 9016, RAL 9006 and RAL 9010.  
Other RAL colors are available upon request

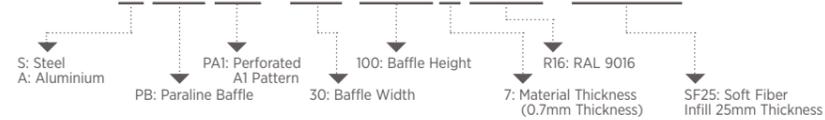
**Surface Burning Characteristics per ASTM E 84**  
Class A

**Additional Information**

- Recommended spacing is to be equal to the height of the baffle
- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

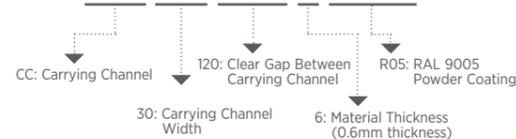
Paraline Baffles

**SPBA1-301007R16-SF25**



Carrying Channel

**CC301206R05**



## PARALINE BAFFLES



### PARALINE BAFFLES METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Paraline Baffles with 38mm Soft Fiber infill	-	0.85

• A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm

### INFILL OPTIONS\* STANDARD WITH PLAIN BORDER

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber

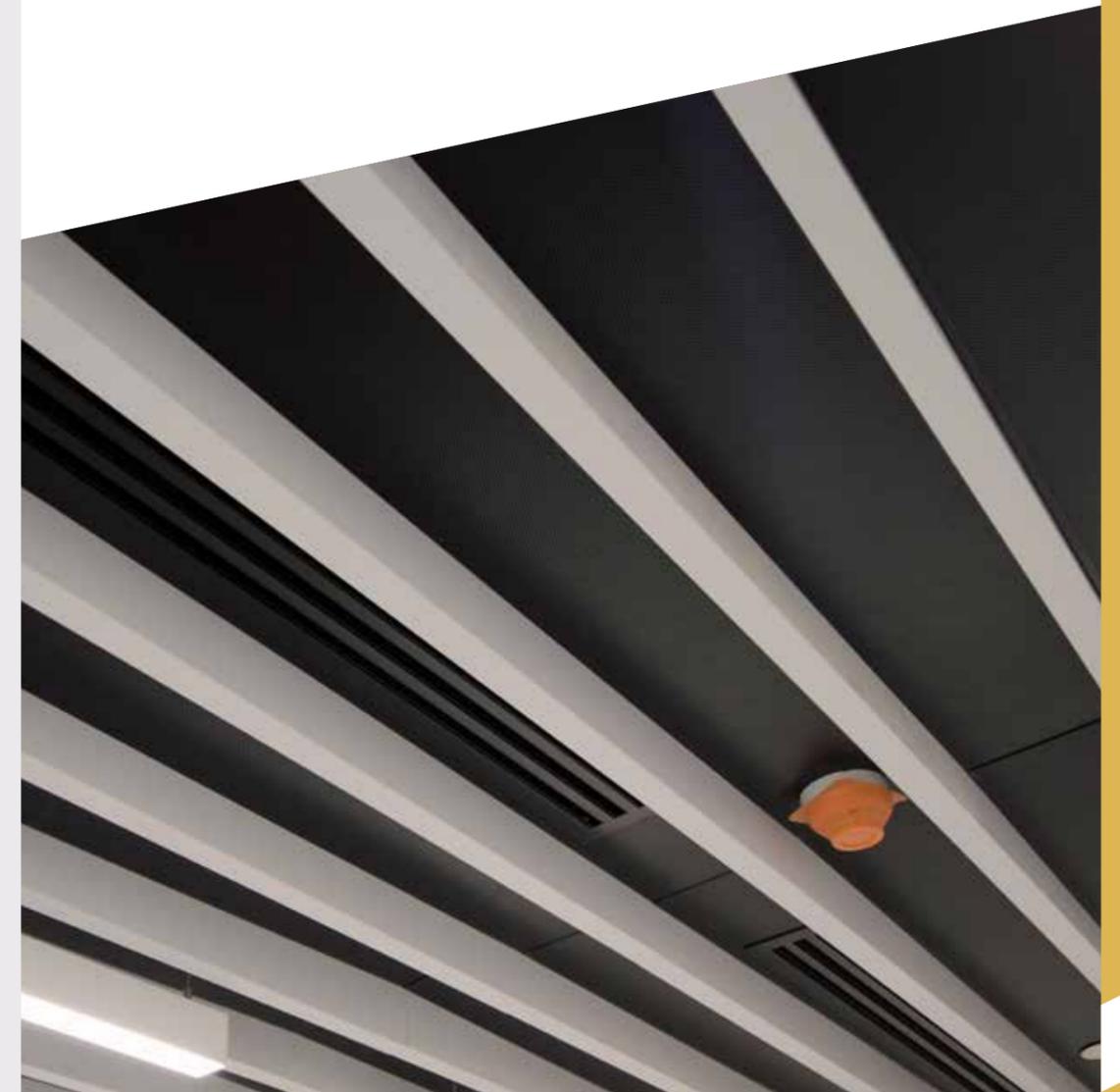
\* Additional backer options available for NRC and CAC enhanced total acoustical performance

### PARALINE BAFFLES CEILING SYSTEM COMPONENTS

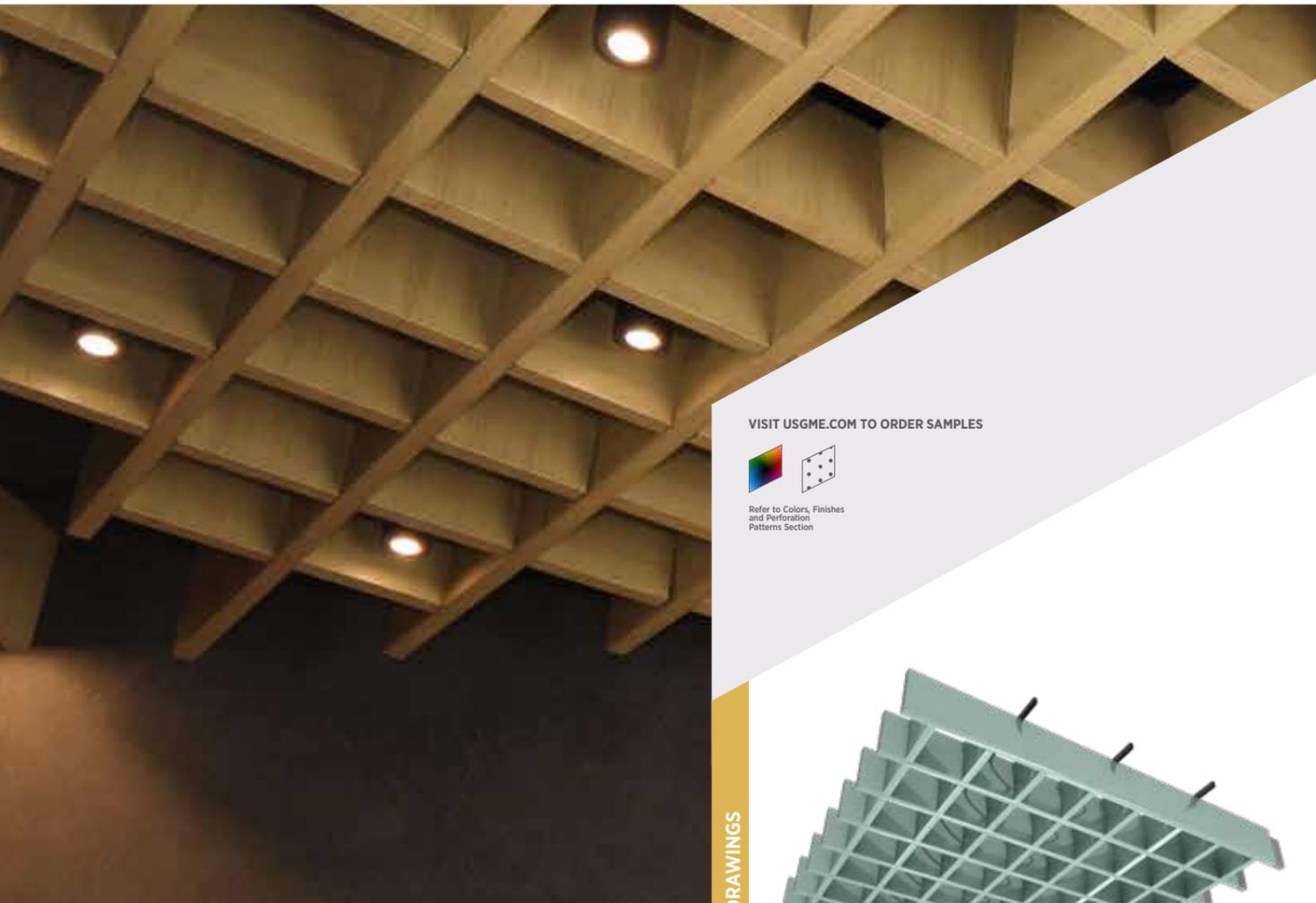
### SYSTEM DRAWINGS

### SYSTEM SPECIFICATION

### ITEM CODIFICATION



# CELEBRETTO® CROSSING BAFFLES



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



Refer to Colors, Finishes  
and Perforation  
Patterns Section

CROSSING BAFFLE DRAWINGS



### FEATURES AND BENEFITS

- Available in a wide range of system sizes with different baffles dimensions and finishes, as per a project's requirements.
- Unique modern look that fits any interior design concept.
- Available in plain and perforated pattern for acoustic performance.
- Special design - metal baffle integrated with metal lay-in ceiling or mineral fiber ceiling to improve the space aesthetic and acoustic performance.

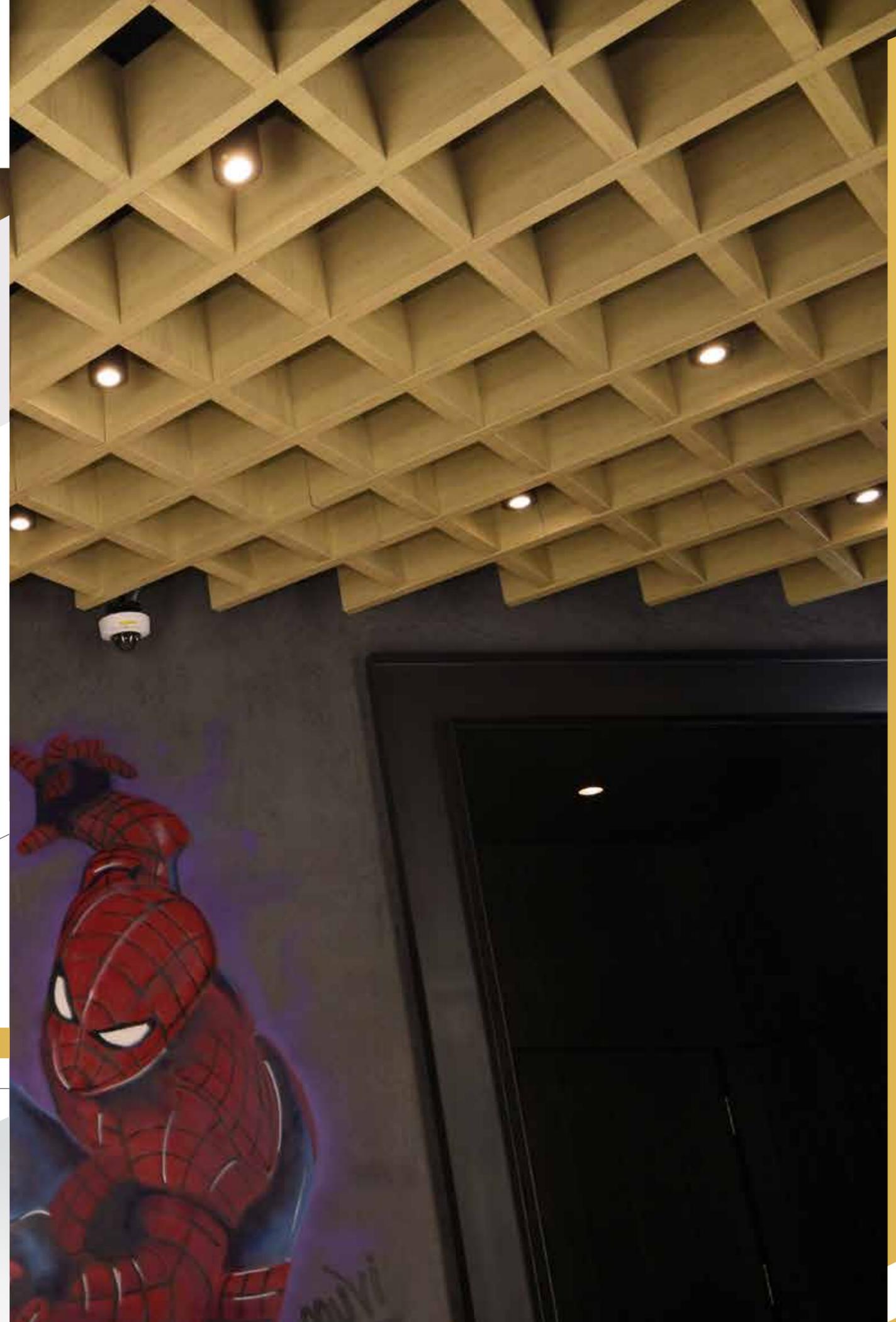
### APPLICATIONS

- Airports
- Business & residential towers
- Hotels
- Entertainment Hallways
- Restaurants

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern Fully Perforated**	0.25	0.50	1.0	1.0	1.0	1.0	0.85

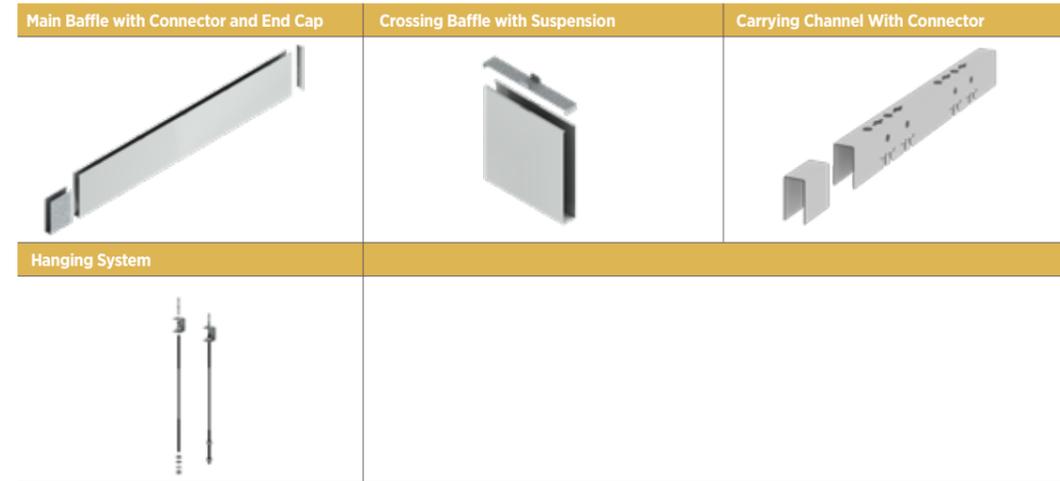
\* Calculated to ASTM C 423-01  
\*\* Acoustic Fleece and 38mm Soft Fiber Infill



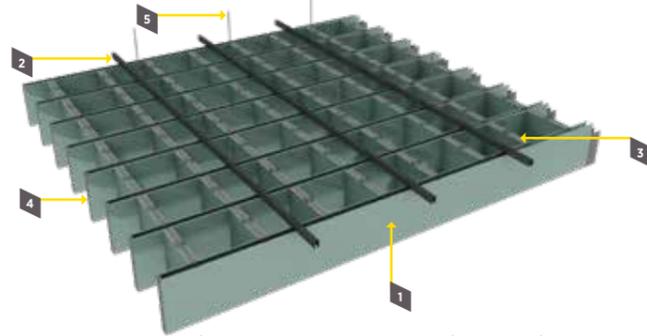
## CROSSING BAFFLES



### CROSSING BAFFLES CEILING SYSTEM COMPONENTS



### SYSTEM DRAWINGS



1 Main Baffle 2 Carrying Channel Connecting Splice 3 Crossing Baffle Connecting Splice 4 End Cap 5 Hanging System

### SYSTEM SPECIFICATION

**Material Classification**  
Galvanized Steel: Type V  
Aluminium: Type VII  
Stainless Steel: Type VI  
Pattern: A, C, G

**Thickness**  
Powder coat finish: 0.6mm - 1.4mm  
Wooden finish: 0.6mm

**Baffle Width**  
30mm/40mm/50mm/80mm/100mm/150mm

**Baffle Height**  
50mm/80mm/100mm/150mm/200mm

**Baffle Length**  
Up to 2400mm

**Baffle Spacing (clear gap)**  
Min 30mm

**Light Reflectance Coefficient [LR]**  
Based on the finish color and perforation pattern, LR up to 0.82

**Color**  
Standard colors are RAL 9016, RAL 9006 and RAL9010.  
Other RAL colors are available upon request

**Surface Burning Characteristics per ASTM E 84**

Class A

**Additional Information**

- Recommended spacing is to be equal to the height of the baffle
- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

### ITEM CODIFICATION

#### Main Baffle

**SCBM-402007WF4**



#### Crossing Baffle

**SCBC-402003007WF4**



#### Carrying Channel

**CC403006R05**



## CROSSING BAFFLES



### CROSSING BAFFLES METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Paraline Baffles with 38mm Soft Fiber infill	-	0.85

• A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm

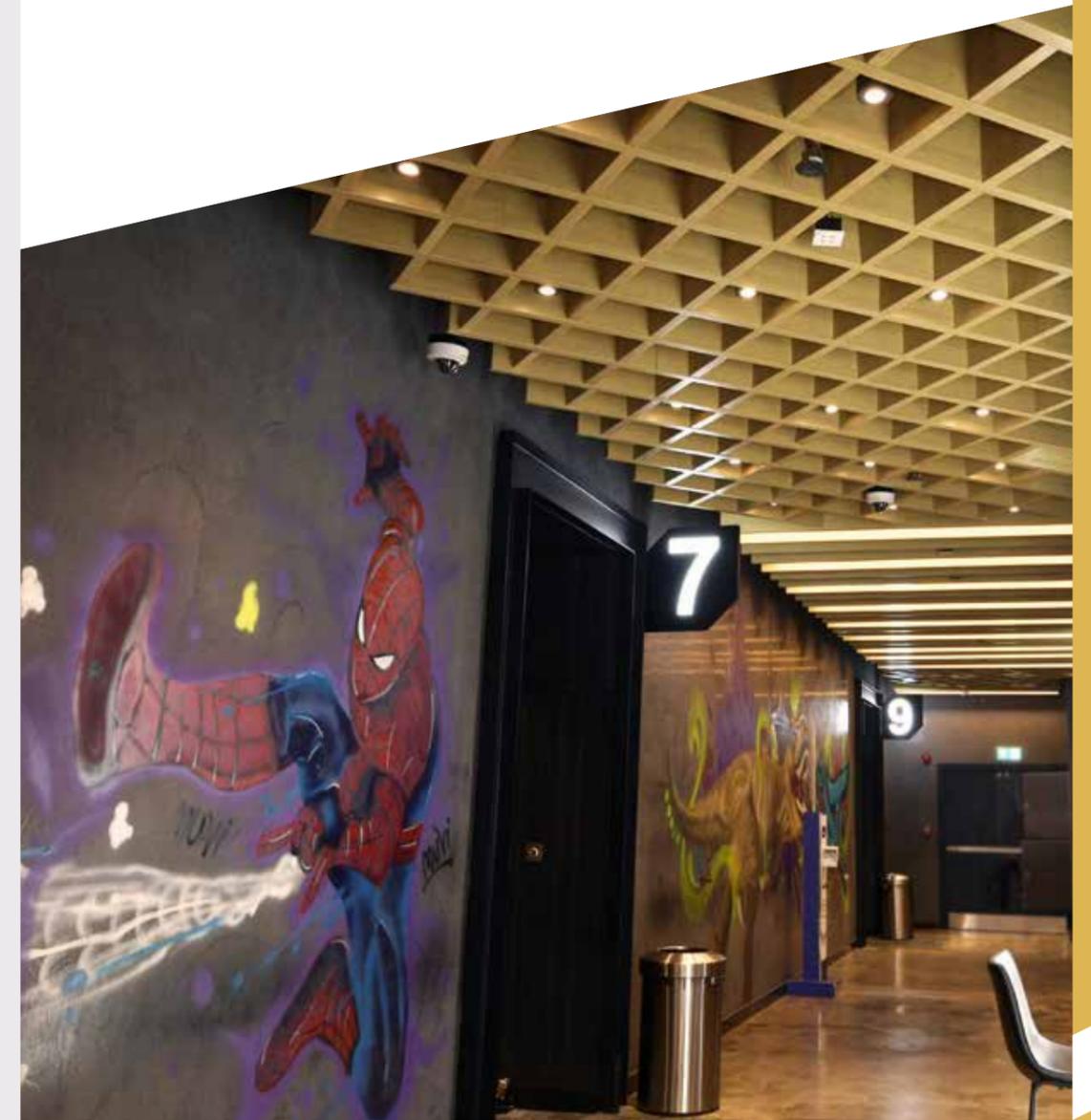
### INFILL OPTIONS\*

#### STANDARD WITH PLAIN BORDER

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber

#### OPTIONAL FULLY PERFORATED

\* Additional backer options available for NRC and CAC enhanced total acoustical performance



**FEATURES AND BENEFITS**

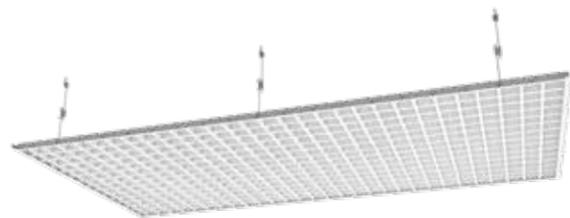
- Available in two main designs: T15 Lay-in ceiling and Trackless ceiling systems.
- Economical grade ceiling solution that meets all commercial design concepts.
- Easy integration with MEP services.
- Quick installation.
- Accessible ceiling panel for the T15 Lay-in.
- Wide variety of modules and sizes.
- Available in Y (pyramid) and U shape designs.

**APPLICATIONS**

- Airports
- Entertainment
- Restaurants
- Retail
- Shopping malls
- Electrical Rooms



Refer to Colors, Finishes  
and Perforation  
Patterns Section



QUADRA CELL DRAWING

**QUADRA CELL**  
U SHAPE T15 LAY-IN PANEL

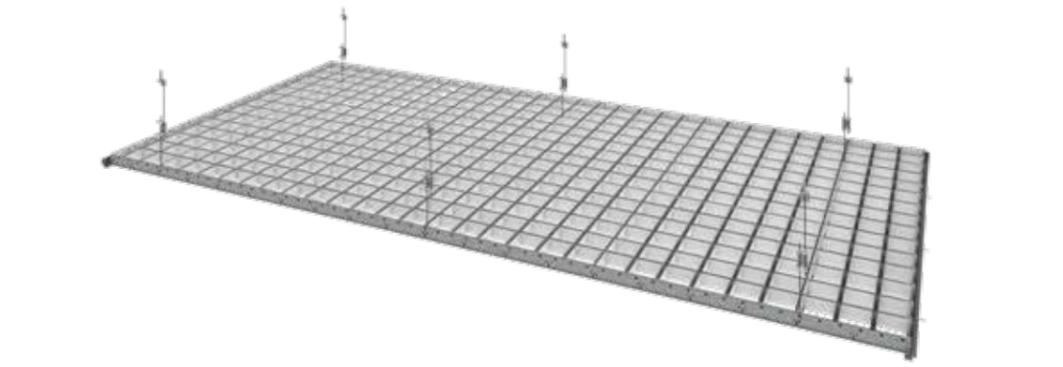
<b>Material Classification</b> Aluminium: Type VII Pattern: G <b>Thickness</b> Powder coat finish: 0.4-0.5mm Pre-painted aluminium: 0.4mm Wooden finish: 0.6mm	<b>Panel Size (Lay-in system)</b> 600x600mm <b>Module Sizes</b> 50x50mm, 75x75mm, 100x100mm, 150x150mm, 200mmx200mm <b>Module Height</b> U Shape: 50mm Y Shape (Pyramid): 60mm	<b>Exposed Module Width</b> U Shape: 15mm Y Shape (Pyramid): 10mm <b>Surface Burning Characteristics per ASTM E 84</b> Class A
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USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

T15 Main Profile	T15 Deputy Profile	T15 Lay-In Perimeter Profile	Suspension Accessories



**Suspension System**  
 Main Tee 3600mm,  
 Cross Tee 1200mm,  
 Cross Tee 600mm,  
 Perimeter Wall Angle



50x50mm	75x75mm	100x100mm
150x150mm	200x200mm	

T15 Lay-In profile is 15 x 50mm (WxH)

**QUADRA CELL**  
SYSTEM SPECIFICATION

**ACOUSTIC**  
PERFORMANCE

**U SHAPE T15 LAY-IN**  
SYSTEM COMPONENTS

**SYSTEM**  
DRAWINGS

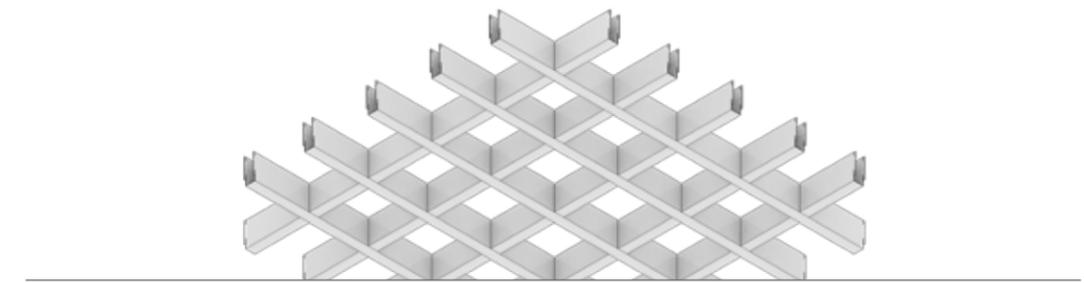
**U SHAPE T15 LAY-IN**  
SYSTEM  
CONFIGURATIONS

**QUADRA CELL**  
TRACKLESS

**TRACKLESS SYSTEM**  
COMPONENTS

Main Profile	Deputy Profile	Shadowline Wall Angle	Suspension Accessories
			 Rod Hanger, Butterfly Clips

**TRACKLESS SYSTEM**



**TRACKLESS SYSTEM**  
CONFIGURATIONS

U shape 50x50mm	U shape 75x75mm	U shape 100x100mm
U shape 150x150mm	U shape 200x200mm	
Y (Pyramid) 75x75mm, 100x100mm, 150mmx150mm and 200x200mm		

U shape Trackless profile is 15 x 50mm (WxH)  
 Y shape (Pyramid) Trackless profile is 10 x 60mm (WxH)



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



Refer to Colors, Finishes and Perforation Patterns Section

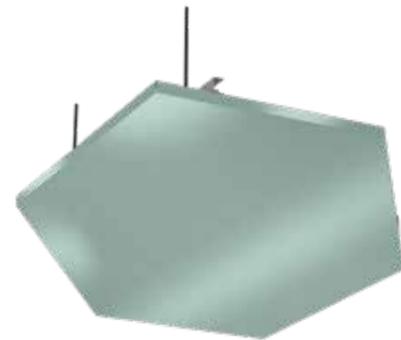
**FEATURES & BENEFITS**

- Decorative floating elements, which can be configured to various shapes and sizes.
- Exceptional sound absorption with NRC values up to 0.90.
- Wide range of colors and finishes.
- Ideal for providing both visual accents and acoustical control.
- Easy to install.

**APPLICATIONS**

- Open-plenum areas
- Convention halls and concourses
- Reception and lobby areas
- Offices with indirect lighting
- Media rooms
- Libraries
- Restaurants
- Retail
- Hospitality

METAL CANOPIES DRAWINGS



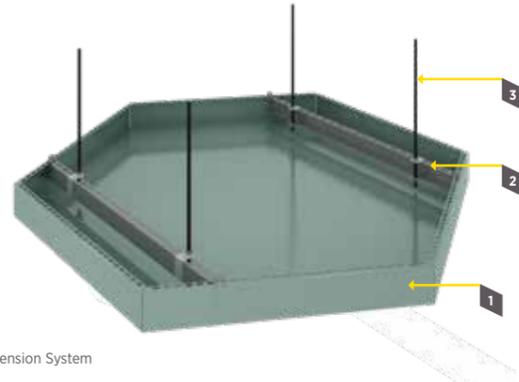
## METAL CANOPIES



### METAL CANOPIES CEILING SYSTEM COMPONENTS

Metal Canopy	Slotted Track	Suspension System

### SYSTEM DRAWINGS



1 Metal Canopy 2 Slotted Track 3 Suspension System

### SYSTEM SPECIFICATION

#### Material Classification

Galvanized Steel: Type V  
Aluminium: Type VII  
Stainless Steel: Type VI  
Pattern: A, C, G

#### Panel Thickness

Powder coat finish: 0.6mm - 1.4mm  
Wooden finish: 0.6mm

#### Panel Height

50mm to 100mm

#### Panel Arrangements

Refer to the systems configuration table

#### Color

Standard colors are RAL 9005, RAL 9006, RAL 9016.  
Other RAL colors are available upon request.

#### Light Reflectance Coefficient [LR]

Based on the finish color, Up to 0.82

#### Surface Burning Characteristics per ASTM E 84

Class A

#### Infill Option

Available in soft fiber infill option

#### Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

### ITEM CODIFICATION

**ACPY150-HEX-100014R1035**

A: Aluminium S: Steel SS: Stainless Steel  
CPY: Canopy  
Hex: Hexagonal Shape  
14: Material Thickness (1.4mm Thickness)  
150: Canopy Height  
1000: Canopy Diameter  
R1035: RAL 1035

### INFILL OPTIONS\*

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

\* Additional backer options available for NRC and CAC enhanced total acoustical performance

## METAL CANOPIES



### SYSTEMS CONFIGURATIONS\*

Square	Parallelogram
Rectangle	Trapezoid
Hexagon	

\* Refer to USG Middle East technical team for size limitation and suspension accessories. Other configurations are available upon request.



# CELEBRETTO®

## EXPANDED METAL MESH CEILING



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



Refer to Colors, Finishes  
and Perforation  
Patterns Section

EXPANDED METAL MESH CEILING DRAWING



### FEATURES AND BENEFITS

- Expanded Metal Mesh ceilings are becoming widely popular amongst designers due to their raw industrial appearance.
- Improves the smoke extraction requirements.
- Mainly available in lay-on and hook-on systems.
- Available in many mesh patterns, colors, and with an optional acoustic infill to improve acoustic requirements.
- The mesh ceiling allows a more refined industrial look as well as an alternative option to exposed soffit.

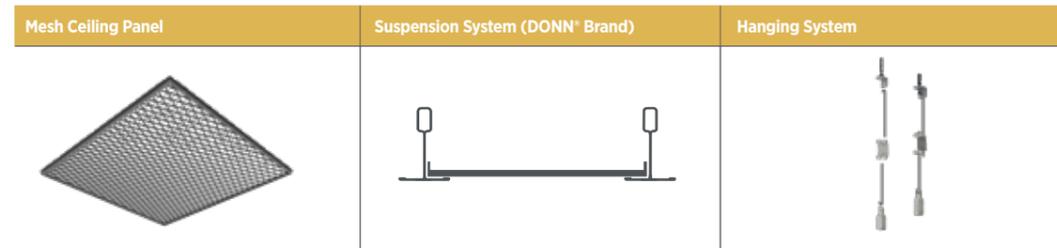
### APPLICATIONS

- Restaurant
- Public areas
- Reception
- Lobbies
- Office spaces
- Airport

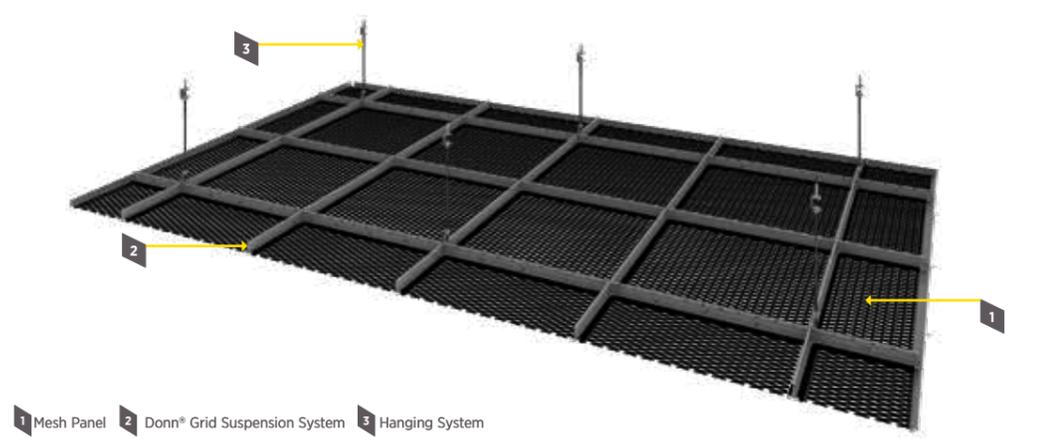


## EXPANDED METAL MESH CEILING

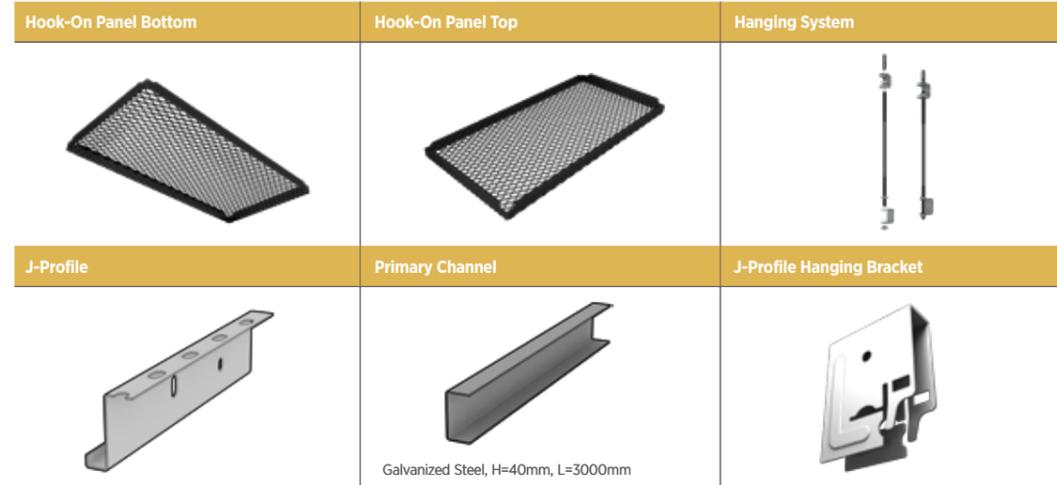
### EXPANDED METAL MESH SYSTEM COMPONENTS LAY-ON SYSTEM



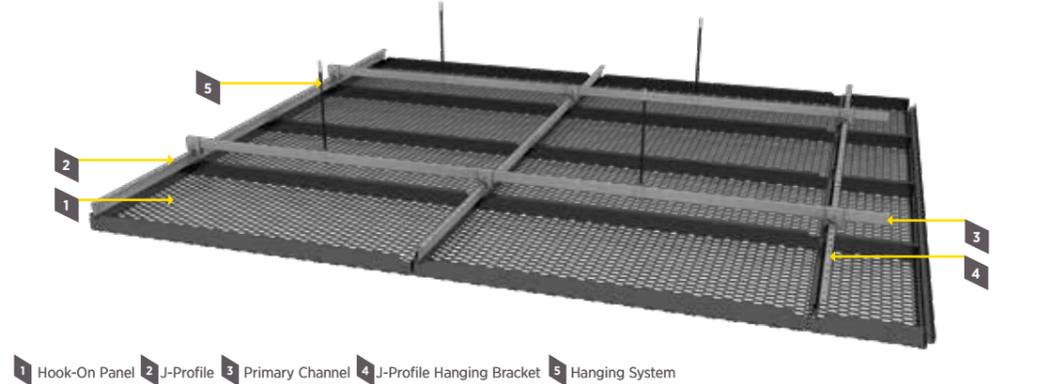
### SYSTEM DRAWINGS



### EXPANDED METAL MESH SYSTEM COMPONENTS HOOK-ON SYSTEM



### SYSTEM DRAWINGS



## EXPANDED METAL MESH CEILING

### SYSTEM SPECIFICATION

**Material Classification**  
Galvanized Steel: Type V  
Aluminium: Type VII  
Pattern: Z

**Panel Size**  
300 x 300mm, 300 x 1200mm,  
300 x 1500mm, 600 x 600mm,  
600 x 1200mm

**Thickness**  
1.5mm-3mm

**Height**  
Lay-on: 20mm-30mm  
Hook-on: 40mm up to 200mm

**Color**  
Standard colors are RAL 9005, RAL 9006,  
RAL 9016.  
Other RAL colors are available upon  
request.

**Infill**  
Mineral fiber (optional)  
Soft fiber Infill (optional)

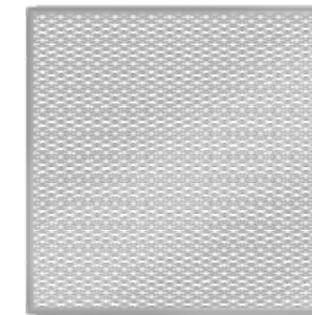
**Surface Burning Characteristics per ASTM E 84**  
Class A

**Additional Information**

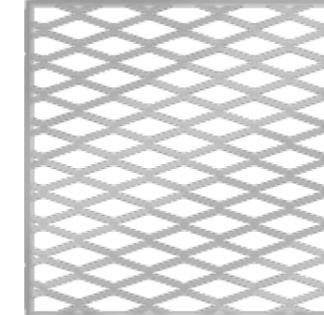
- Thickness depends on panel sizes and project requirements
- Consult factory for other panel sizes

### EXPANDED METAL MESH CEILING STANDARD PATTERN

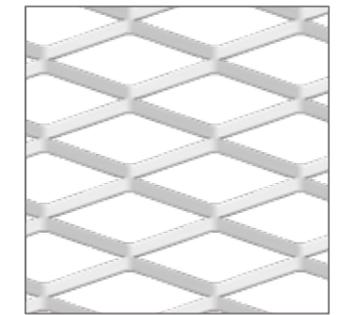
Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
S 1	17mm	35mm	5mm	1.5mm	54%
S 2	25mm	62mm	5mm	1.5mm	72%



S 1



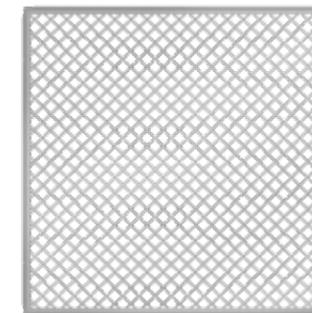
S 2



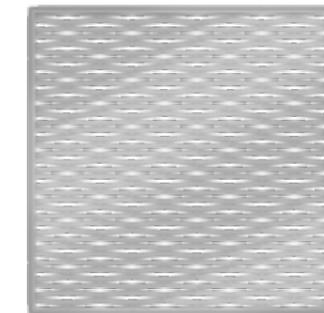
S Mesh Pattern

### EXPANDED METAL MESH CEILING PREMIUM PATTERNS\*

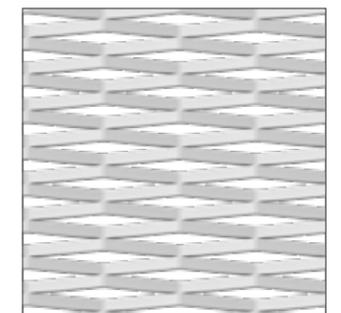
Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
M 1	30mm	31mm	5mm	2mm	61.30%
M 2	30mm	125mm	20mm	3mm	72.87%



M 1

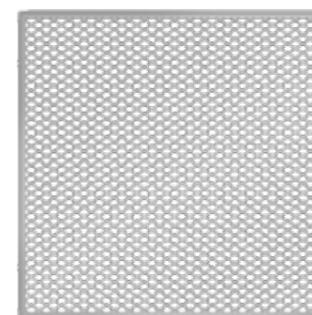


M 2

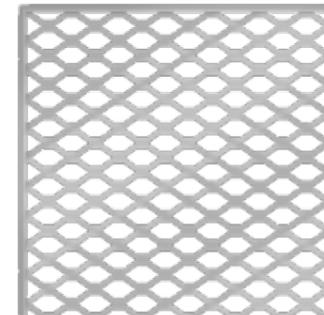


M Mesh Pattern

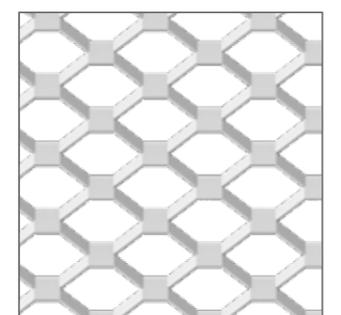
Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
L 1	18mm	29mm	5mm	2mm	48.25%
L 2	54mm	78mm	20mm	3mm	48.26%



L 1



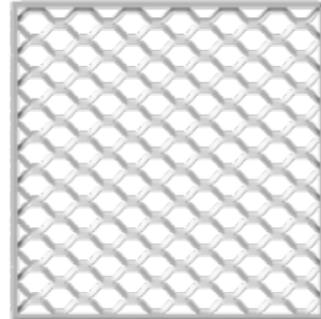
L 2



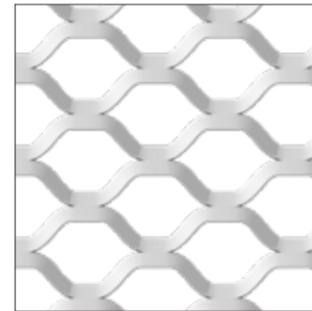
L Mesh Pattern

EXPANDED METAL MESH CEILING

Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
R 1	60mm	90mm	20mm	3mm	58.66%

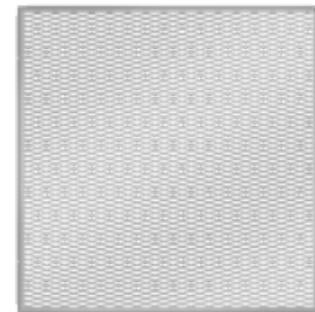


R 1

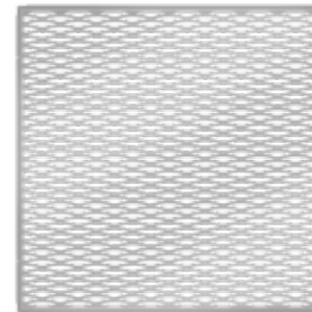


R Mesh Pattern

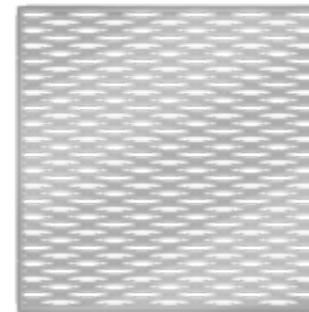
Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
G 1	10mm	35mm	5mm	2mm	64.93%
G 2	20mm	70mm	10mm	2mm	54.73%
G 3	30mm	105mm	20mm	3mm	51.10%



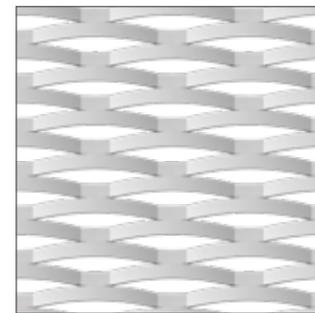
G 1



G 2



G 3



G Mesh Pattern

\* Available upon request. Check with our technical team for lead time delivery.

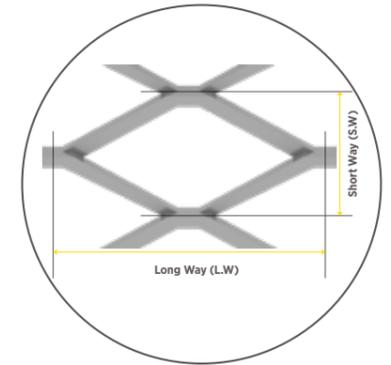
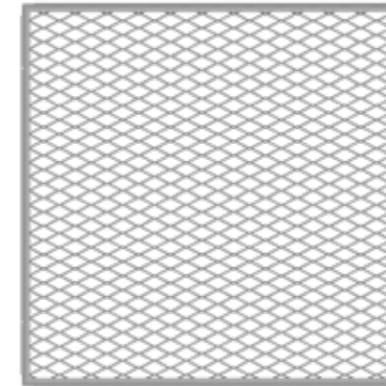
INFILL



Expanded Metal Mesh with Infill

EXPANDED METAL MESH CEILING

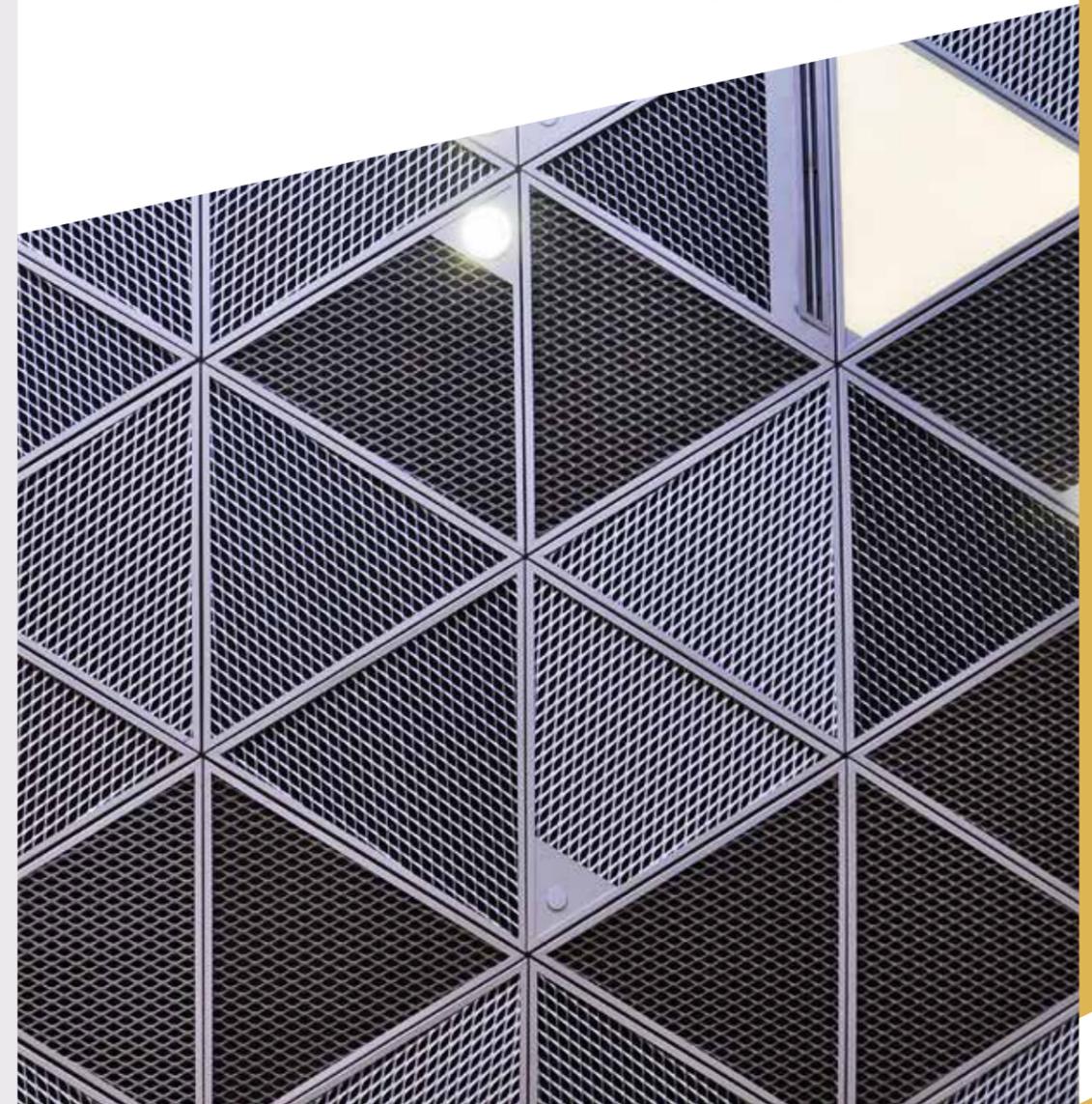
L.W / S.W  
ILLUSTRATION



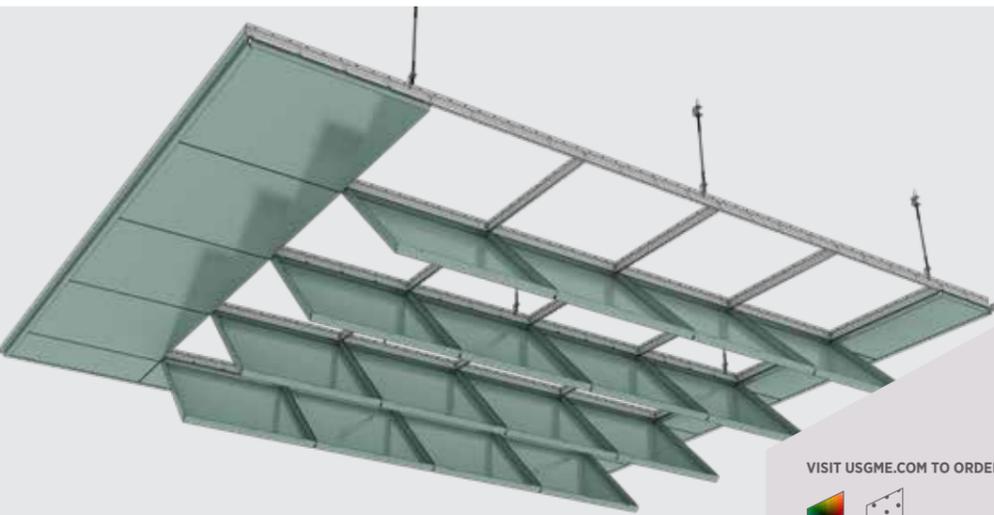
ITEM CODIFICATION

SMSHLO-M1-600120015R05

A: Aluminium  
S: Steel  
MSH: Mesh Ceiling  
LO: Lay-On  
MI: Pattern M1  
6001200: Mesh Panel Dimension  
15: Thickness (1.5mm Thickness)  
R05: Color



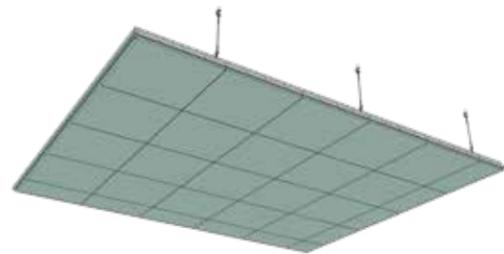
# CELEBRETTO® SNAP-IN (HINGE DOWN)



VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes and Perforation Patterns Section



SNAP-IN CEILING SYSTEM DRAWINGS

## FEATURES AND BENEFITS

- Fully accessible panelized cassette system.
- Acoustical performance utilizing perforations and sound absorbing infill materials.
- Standard and customizable perforations available to create visual patterns.
- Varied mounting arrangements available for various installation requirements.
- System to be installed with USG DONN® Brand DXF® FINELINE® acoustical suspension system.
- Class A per ASTM E84.

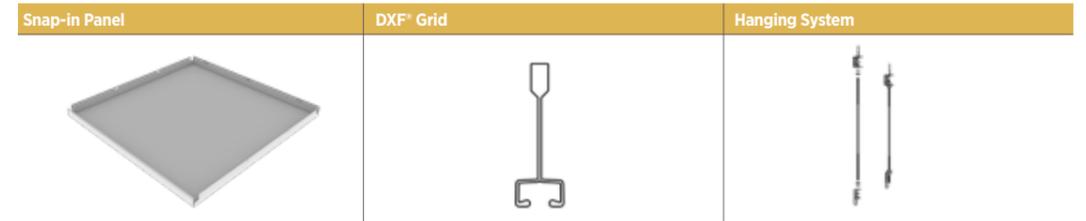
## APPLICATIONS

- Interior ceilings applications
- Wall to wall ceilings
- Renovation and restoration projects
- New construction
- Downward accessible

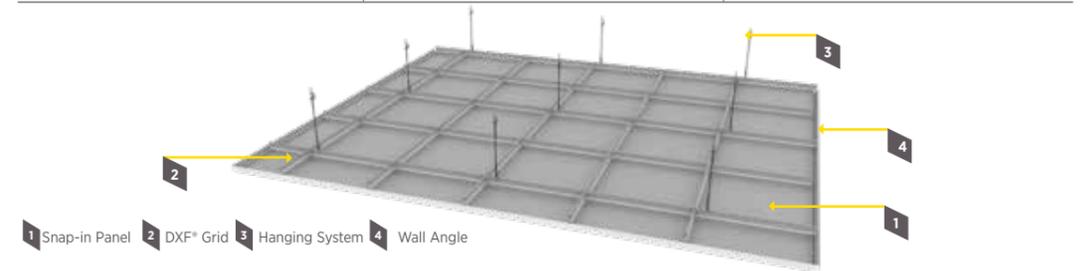
Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

\* Calculated to ASTM C 423-01  
 \*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%  
 \*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil

## SNAP-IN SYSTEM COMPONENTS



## SYSTEM DRAWINGS



## SYSTEM SPECIFICATION

<b>Material Classification</b> Galvanized Steel: Type V Aluminium: Type VII Stainless Steel: Type VI Pattern: A, C, G <b>Thickness</b> Powder coat finish: 0.6mm - 1.4mm Wooden finish: 0.6mm <b>Panel Height</b> 20mm	<b>Panel Size</b> 600x600mm <b>Light Reflectance Coefficient [LR]</b> Based on the finish color and perforation pattern, LR up to 0.82 <b>Color</b> Standard colors are RAL 9016, RAL 9006 and RAL 9010. Other RAL colors are available upon request Wooden patterns are available upon request	<b>Surface Burning Characteristics per ASTM E 84</b> Class A <b>Additional Information</b> <ul style="list-style-type: none"> <li>• Thickness depends on panel sizes and project requirements</li> <li>• Consult factory for other panel widths</li> </ul>
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## ITEM CODIFICATION

ASIPA1-6006007R16

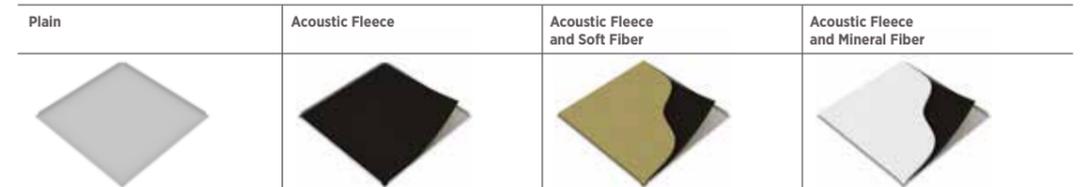


## SNAP-IN METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminium Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminium Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminium Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminium Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm
- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm



\* Additional backer options available for NRC and CAC enhanced total acoustical performance

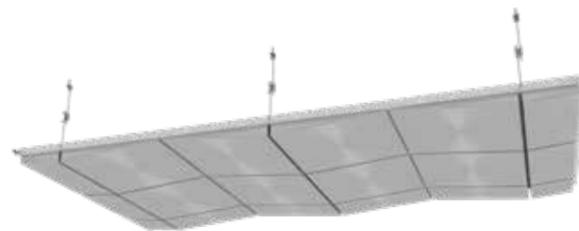


VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



Refer to Colors, Finishes  
and Perforation  
Patterns Section

GEOMETRIX CEILING SYSTEM DRAWINGS



**FEATURES AND BENEFITS**

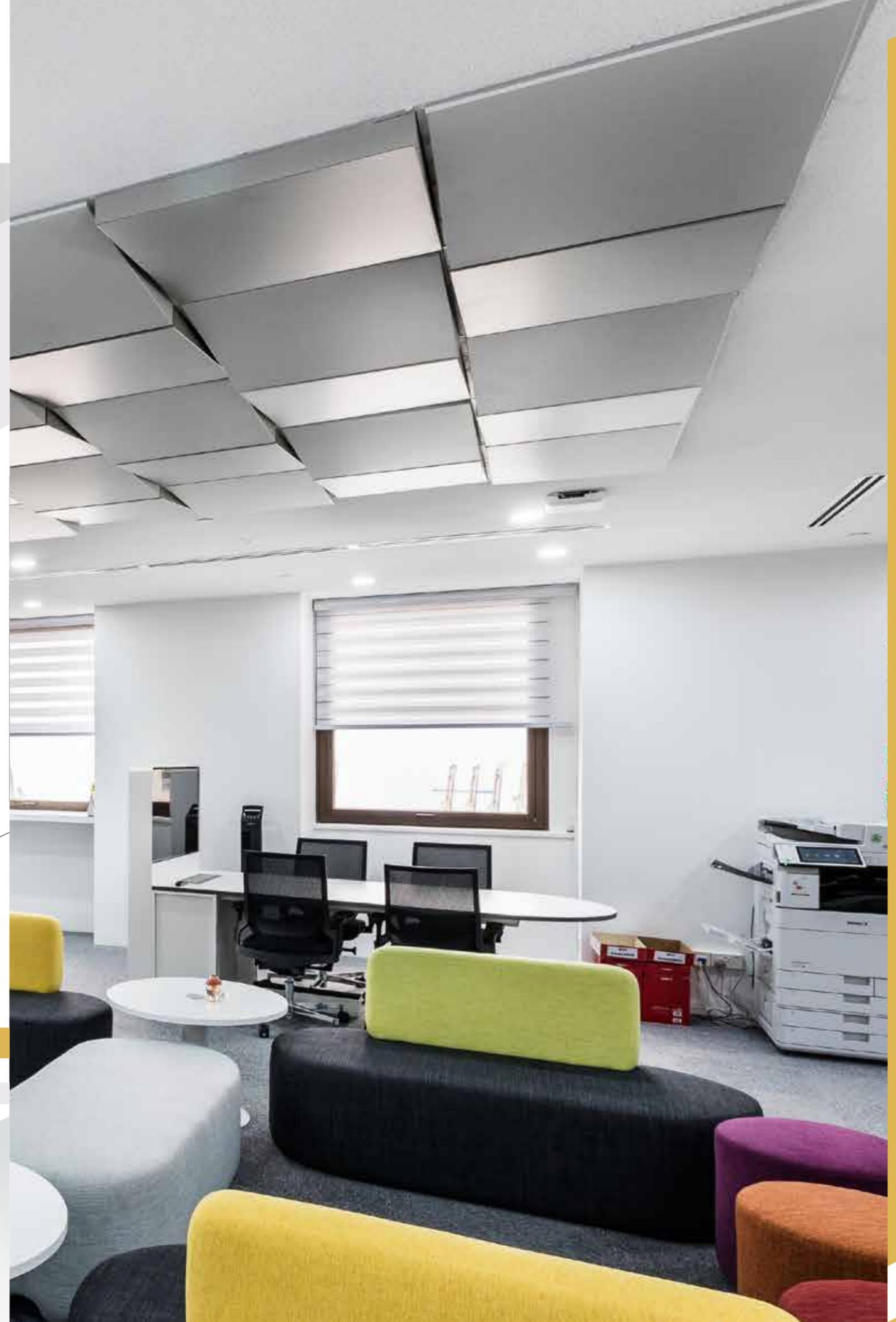
- Multiple panels depths lend new dimension to ceiling design
- Panel depths of 7mm-200mm provide an array of possibilities for the architect.
- 600x600mm lay-in panels are compatible with USG Middle East DONN® brand suspension systems for T24 or T15.
- Plain or perforated panels.
- Available in custom colors for design versatility.
- Panel configuration available in flat panel and wedge panel.

**APPLICATIONS**

- All commercial applications
- Wall to wall ceilings
- Schools
- Executive offices
- Reception and lobby areas
- New construction or renovation

Sound Absorption	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece		0.70	<b>0.95</b>	<b>0.75</b>	<b>0.75</b>	<b>0.80</b>	0.80	<b>0.75</b>
A1 Pattern** with Infill***		0.70	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

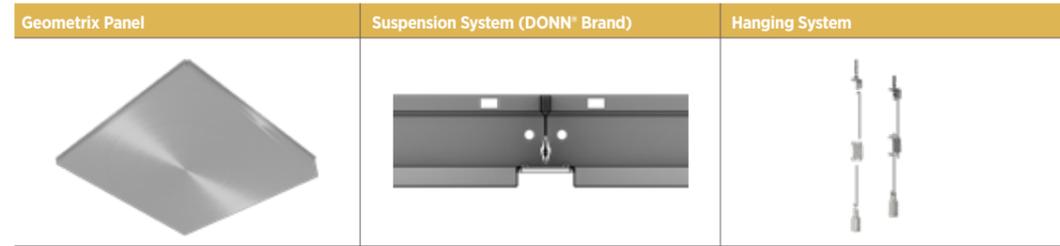
\* Calculated to ASTM C 423-01  
 \*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%  
 \*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



**GEOMETRIX**



**GEOMETRIX SYSTEM COMPONENTS**



**SYSTEM DRAWINGS**



1 Geometrix Panel 2 Wall Angle 3 DONN® Grid Suspension System 4 Hanging System

**SYSTEM SPECIFICATION**

<p><b>Material Classification</b> Galvanized Steel: Type V Aluminium: Type VII Stainless Steel: Type VI Pattern: A, C, G</p> <p><b>Panel Thickness</b> Powder coat finish: 0.6mm - 1.4mm Wooden finish: 0.6mm</p> <p><b>Panel Size</b> 600x600mm</p> <p><b>Panel Depth (Height)</b> 7mm - 200mm</p>	<p><b>Edge</b> Lay-in square edge</p> <p><b>Light Reflectance Coefficient [LR]</b> Based on the finish color and perforation pattern, LR up to 0.82</p> <p><b>Color</b> Standard colors are RAL 9005, RAL 9006, RAL 9016. Other RAL colors are available upon request.</p>	<p><b>Surface Burning Characteristics per ASTM E 84</b> Class A</p> <p><b>Additional Information</b></p> <ul style="list-style-type: none"> <li>• Thickness depends on panel sizes and project requirements</li> <li>• Consult factory for other panel widths</li> </ul>
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**GEOMETRIX METAL CEILING ACOUSTICAL PERFORMANCE**

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm
- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

**INFILL OPTIONS\***

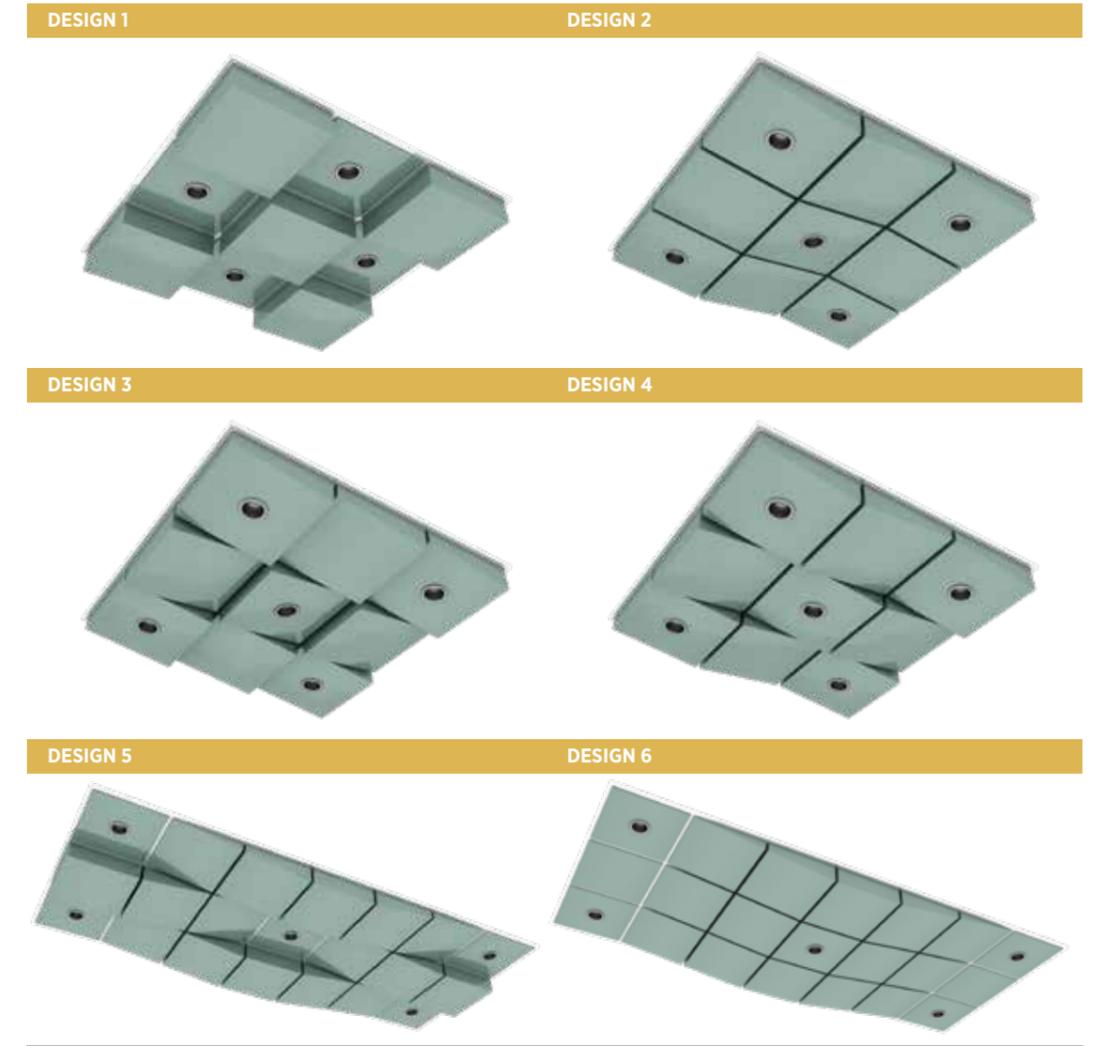
Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

\* Additional backer options available for NRC and CAC enhanced total acoustical performance

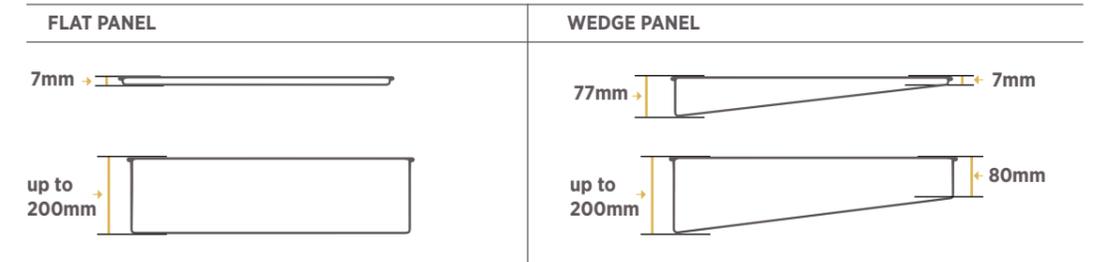
**GEOMETRIX**



**GEOMETRIX DESIGNS**



**PANELS CONFIGURATIONS**



**ITEM CODIFICATION**

**ALGX150N-6006007R16**





### FEATURES & BENEFITS

- Allure is a distinctive ceiling solution that unlocks innovative design capabilities like multilayered solutions, impressive curvilinear designs, and multicolored options.
- Fashion your ceiling design into organic, complicated, and uninterrupted shapes that lie beyond the scope of any preconfigured architectural pattern and imprint it across your space.
- Scalable and seamless panel solutions.
- Growing range of patterns or customizable unique designs.

### APPLICATIONS

- Hotel lobbies
- Restaurants
- Commercial spaces
- Offices
- Lounges
- Open halls
- Reception
- Corridors

VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



Refer to Colors, Finishes  
and Perforation  
Patterns Section



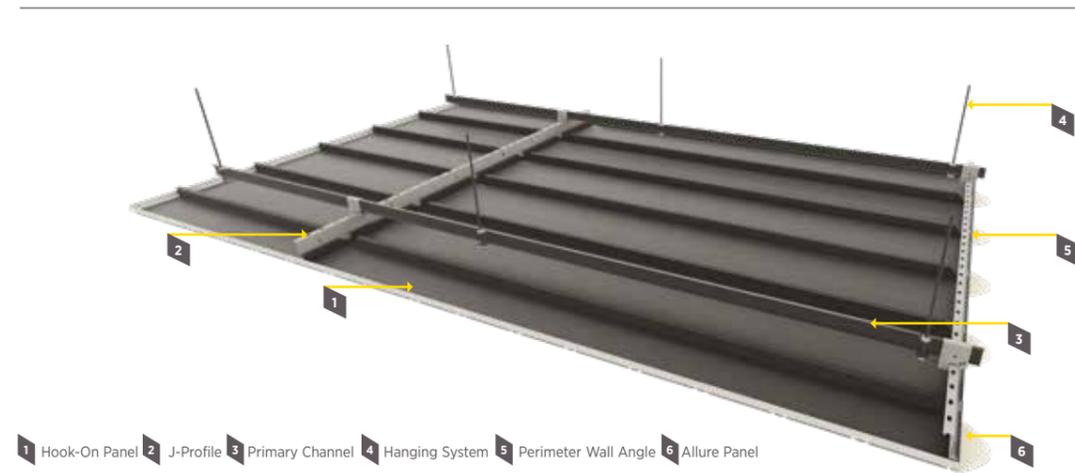
ALLURE DRAWINGS



USG ME 

ALLURE

SYSTEM DRAWINGS



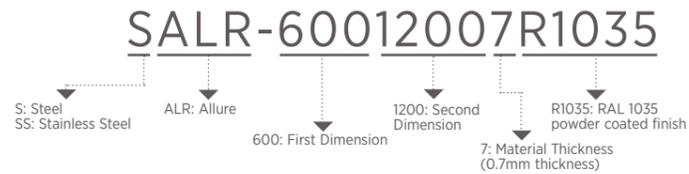
USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

ACOUSTIC PERFORMANCE

SYSTEM SPECIFICATION

<p><b>Material Classification</b> Galvanized Steel: Type V Stainless Steel: Type VI Pattern: A, C, G</p> <p><b>Thickness</b> Powder coat finish: 0.6mm - 1.4mm Wooden finish: 0.6mm</p> <p><b>Hook-On Panel Height</b> 40mm to 200mm</p>	<p><b>Panel Width</b> Up to 1200mm</p> <p><b>Panel Length</b> Up to 2400mm</p> <p><b>Color</b> Standard colors are RAL 9016, RAL 9006 and RAL 9010. Other RAL colors are available upon request. Wooden patterns are available upon request</p>	<p><b>Light Reflectance Coefficient [LR]</b> Based on the finish color and perforation pattern, LR up to 0.82</p> <p><b>Surface Burning Characteristics per ASTM E 84</b> Class A</p> <p><b>Additional Information</b></p> <ul style="list-style-type: none"> <li>• Thickness depends on panel sizes and project requirements</li> <li>• Consult USG ME for other panel widths</li> </ul>
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ITEM CODIFICATION



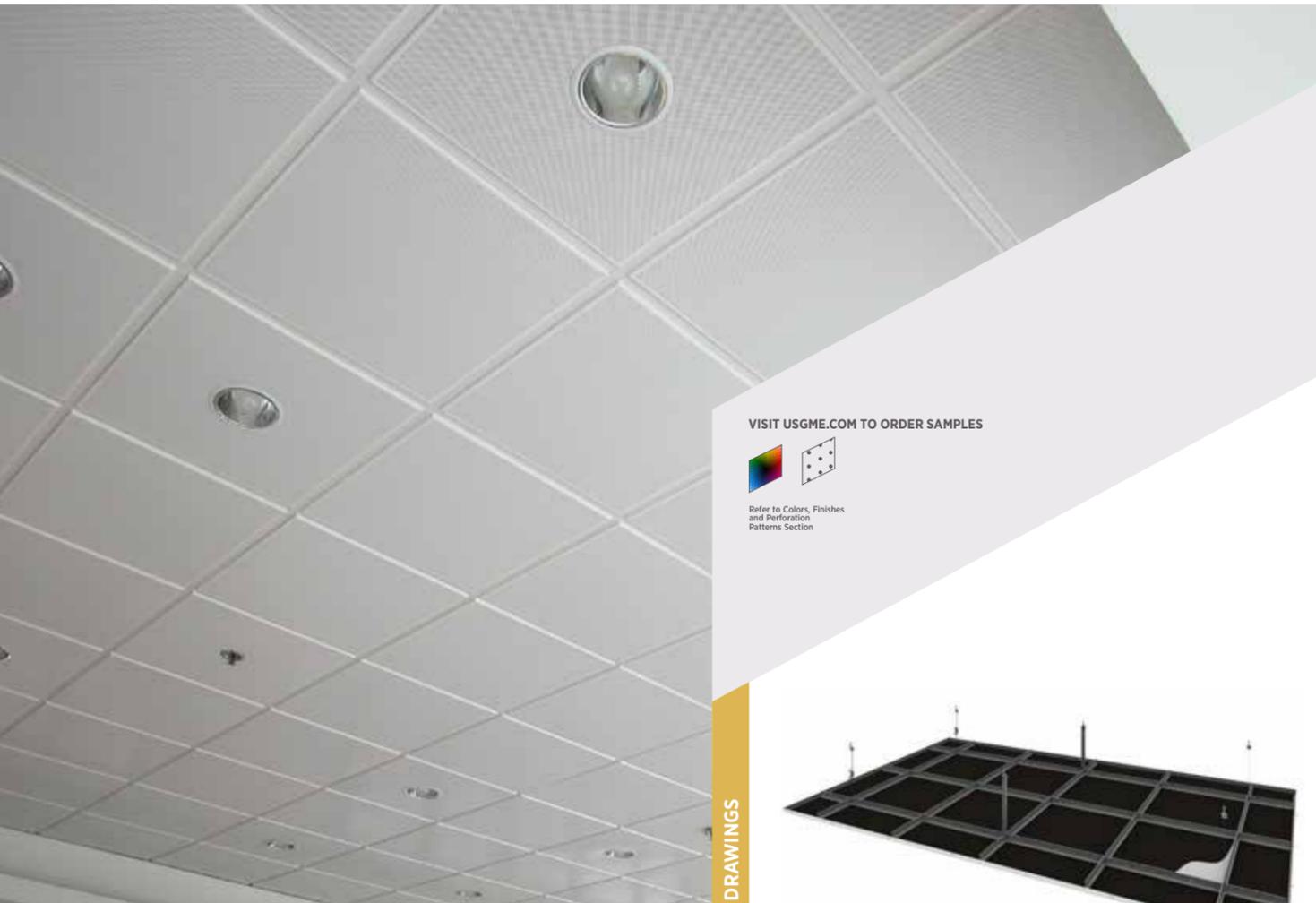
ALLURE

SYSTEMS CONFIGURATIONS\*

<p><b>LATCH</b></p> <p><b>PANEL TYPES</b></p> <p><b>LATCH Panel A</b> Panel Width: 600 mm Panel Length: 1000mm</p>	<p><b>BLOSSOM</b></p> <p><b>PANEL TYPES</b></p> <p><b>BLOSSOM Panel A</b> Panel Width: 450 mm Panel Length: 650mm</p> <p><b>BLOSSOM Panel B</b> Panel Width: 400 mm Panel Length: 800mm</p>
<p><b>BRAID</b></p> <p><b>PANEL TYPES</b></p> <p><b>BRAID Panel A</b> Panel Width: 900 mm Panel Length: 1100mm</p> <p><b>BRAID Panel B</b> Panel Width: 350 mm Panel Length: 400mm</p>	<p><b>HARMONY</b></p> <p><b>PANEL TYPES</b></p> <p><b>HARMONY Panel A</b> Panel Width: 750 mm Panel Length: 750mm</p> <p><b>HARMONY Panel B</b> Panel Width: 450 mm Panel Length: 500 mm</p>

All dimensions are customizable to fit the client's requirements.

# CELEBRETTO® LAY-IN METAL CEILING



VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes and Perforation Patterns Section

LAY-IN CEILING SYSTEM DRAWINGS



## FEATURES & BENEFITS

- Durable and washable polyester powder finish.
- Wide range of standard perforation patterns.
- Wide range of optional wooden patterns.
- Easy access for service maintenance.
- Robust and easy to clean.
- High sound absorption and sound attenuation.
- Environmentally friendly and recyclable.

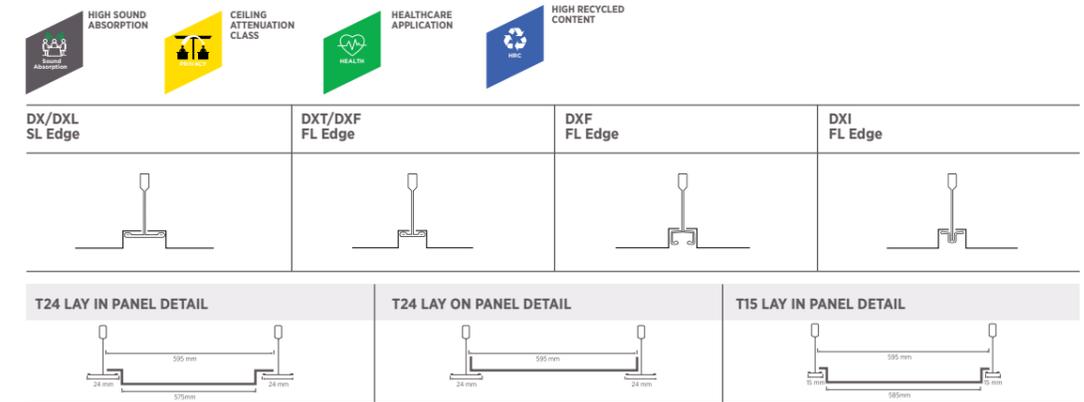
## APPLICATIONS

- Transportation & airports
- Educational
- Healthcare
- Commercial buildings
- Hi-Rise & offices
- Financial & banking
- Malls & residential
- Kitchen & dietary
- Laundry
- Utility rooms

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece	0.70	<b>0.95</b>	<b>0.75</b>	<b>0.75</b>	<b>0.80</b>	0.80	<b>0.75</b>
A1 Pattern** with Infill***	0.70	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

\* Calculated to ASTM C 423-01  
 \*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%  
 \*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil

## GRID PROFILE OPTIONS



## SPECIFICATION DETAILS

Lay-in Metal Ceiling by USG ME meets the requirements in accordance with ASTM E1264 **Material Classification**  
 Galvanized Steel: Type V  
 Aluminium: Type VII  
 Stainless Steel: Type VI  
 Pattern: A, C, G

**Panel Size**  
 300 x 300mm, 600 x 600mm, 600 x 1200mm

**Panel Thickness**  
 0.5 to 1.4mm

**Panel Height**  
 10mm, 20mm

**Edge Detail Trim**  
 Reveal [SL, FL]

**Light Reflectance Coefficient [LR]**  
 Based on the finish color and perforation pattern, LR up to 0.82

**Color**  
 Standard colors are RAL 9016, RAL9006 and RAL9010.  
 Other RAL colors are available upon request.  
 Wooden patterns are available upon request

**Surface Burning Characteristics per ASTM E 84**  
 Class A

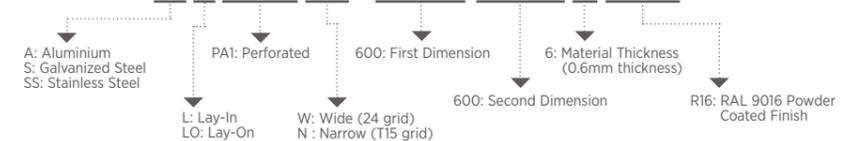
**Infill Options**  
 Plain  
 Acoustical Fleece  
 Acoustical Fleece and Glass Wool  
 Acoustical Fleece and Mineral Fiber

**Washability / Scrubbability as per ASTM D4828 & D2486**  
 Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

**Relevant LEED® Credit**  
 EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

## ITEM CODIFICATION

# ALPA1W-6006006R16



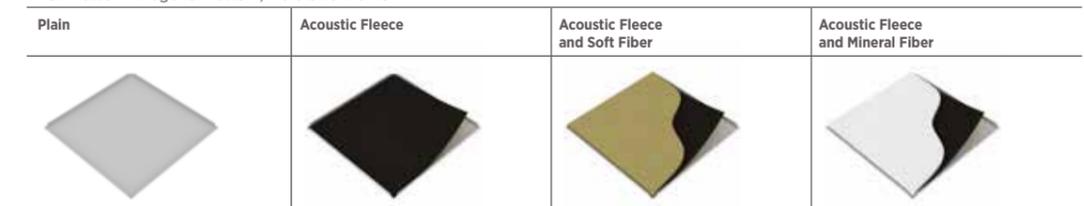
## LAY-IN METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminium Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminium Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminium Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminium Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm
- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

## INFILL OPTIONS\*



\* Additional backer options available for NRC and CAC enhanced total acoustical performance

# CELEBRETTO® CLIP-IN METAL CEILING



VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes and Perforation Patterns Section

CLIP-IN CEILING SYSTEM DRAWINGS



## FEATURES & BENEFITS

- Concealed ceiling design.
- Wide range of standard perforation patterns.
- Wide range of optional wooden patterns.
- Durable and washable polyester powder finish.
- Robust and easy to clean.
- High sound absorption and sound attenuation.
- Environmentally friendly and recyclable.

## APPLICATIONS

- Interior and exterior applications
- Transportation & airports
- Educational
- Healthcare
- Commercial buildings
- Hi-Rise & offices
- Financial & banking
- Malls & residential
- Kitchen & dietary
- Laundry

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

\* Calculated to ASTM C 423-01  
 \*\* A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%  
 \*\*\* Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil

## GRID PROFILE OPTIONS

## SPECIFICATION DETAILS

## ITEM CODIFICATION

## CLIP-IN METAL CEILING ACOUSTICAL PERFORMANCE

## INFILL OPTIONS\*

## CLIP-IN METAL CEILING



### Spring T



Clip-in Metal Ceiling by USG ME meets the requirements in accordance with ASTM C635, ASTM C636, ASTM C423 and ASTM E84.

**Material Classification**  
 Galvanized Steel: Type V  
 Aluminium: Type VII  
 Stainless Steel: Type VI  
 Pattern: A, C, G

**Panel Size**  
 300 x 300mm, 300 x 1200mm, 300 x 1500mm, 600 x 600mm, 600 x 1200mm, 1200 x 1200mm

**Panel Thickness**  
 0.6 to 1.4mm

**Panel Height**  
 10mm, 20mm

**Edge Detail Trim**  
 Beveled edge: 600 x 600mm, 600 x 1200mm  
 Square edge: All other panel configuration

**Light Reflectance Coefficient [LR]**  
 Based on the finish color, Up to 0.82

**Color**  
 Standard colors are RAL 9016, RAL 9006 and RAL 9010.  
 Other RAL colors are available upon request. Wooden patterns are available upon request

**Surface Burning Characteristics per ASTM E 84**  
 Class A

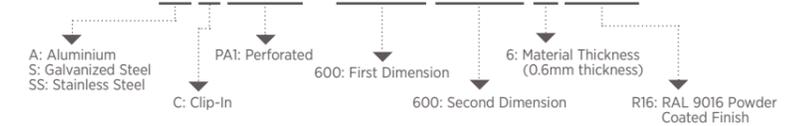
**Infill Options**  
 Plain  
 Acoustic Fleece

Acoustic Fleece and Glass Wool  
 Acoustic Fleece and Mineral Fiber  
**Washability / Scrubbability as per ASTM D4828 & D2486**

Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

**Relevant LEED® Credit**  
 EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

## ACPA1-6006006R16



USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminium Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminium Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminium Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminium Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm
- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

\* Additional backer options available for NRC and CAC enhanced total acoustical performance

# COLORS, FINISHES AND PERFORATION PATTERNS

## COLORS, FINISHES AND PERFORATION PATTERNS

Three things that make USG Middle East the most sought-after partner for architects and contractors. Our professional building design partners benefit from a diverse product choice, world-class technology, field-tested performance, and hands-on technical support.

That's not all.

**We are transparent.** We know that the more open we can be about product specifications, the more loyalty and trust we can build with our partners.

**We are proactive.** We know that every building design faces a multitude of complex challenges. With our wide range of ceiling design options, architects and contractors see us as necessary partners for their projects from start to completion with our array of colors, finishes, and perforation patterns.

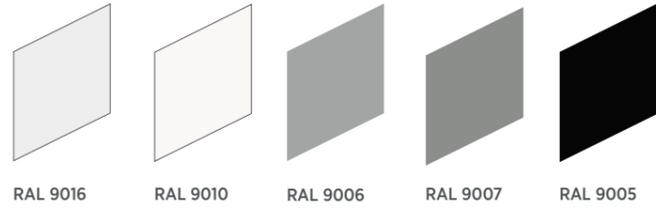
**We are experts.** We know that architects and contractors want to talk to our technical team who are deeply knowledgeable about our products' technical information. Therefore, we train our salesforce and technical team to be well-versed about our products—and arm them with detailed specifications for those products.

Design options are limitless, let your imagination run free.

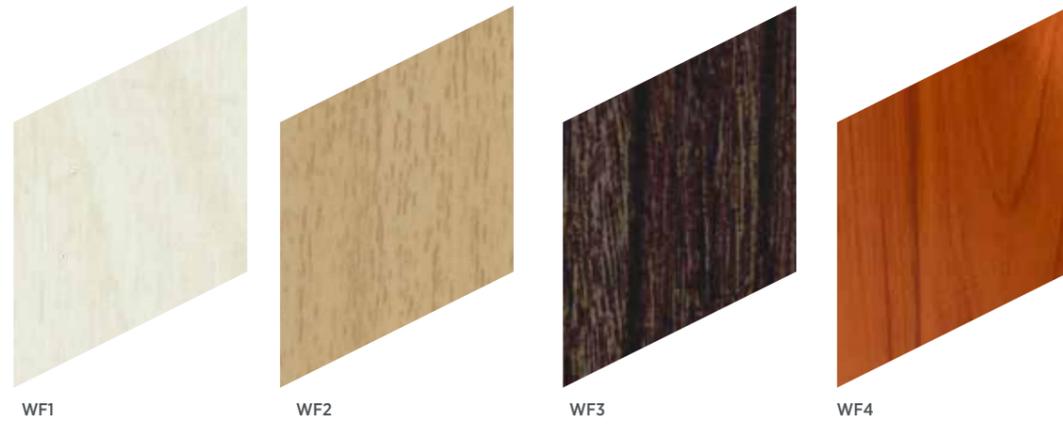
COLORS, FINISHES AND PERFORATION PATTERNS

STANDARD FINISHES

RAL COLORS

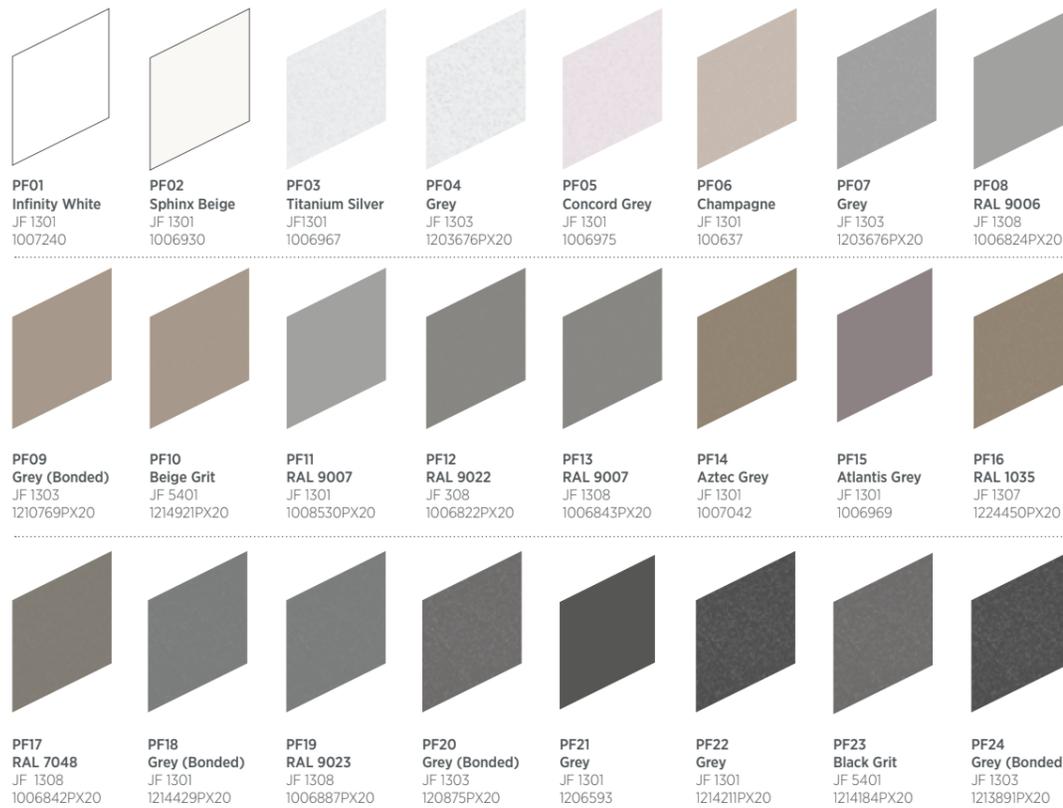


WOODEN FINISHES



POWDER COATING COLORS

PREMIUM FINISHES\*

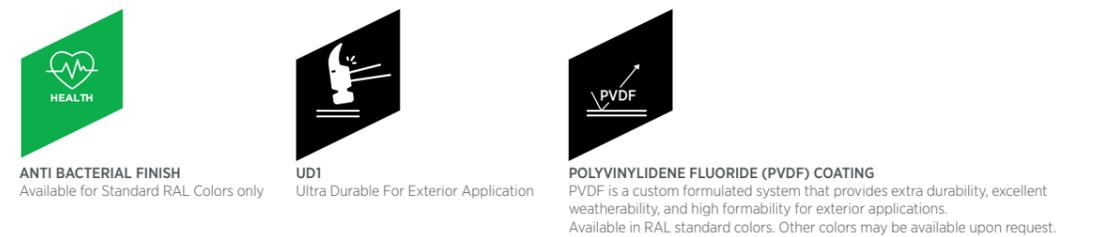


\* Available upon request. Check with our technical team for lead time delivery.

COLORS, FINISHES AND PERFORATION PATTERNS



SPECIAL COAT



COLORS, FINISHES AND PERFORATION PATTERNS

WOODEN FINISHES



WFP01  
BEECH 1



WFP02  
BEECH 2



WFP03  
PINE



WFP04  
OAK



WFP05  
CHERRY 1



WFP06  
CHERRY 2



WFP07  
WALNUT



WFP08  
ROSE WOOD

ANODIZED FINISHES



AZ01  
G4 DARK GOLD



AZ02  
G3 LIGHT GOLD



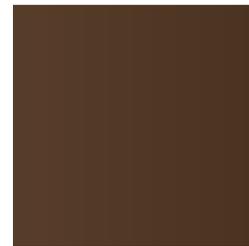
AZ03  
E6 SILVER NATURAL



AZ04  
3145 CHAMPAGNE BRONZE



AZ05  
3165 LIGHT BRONZE



AZ06  
3175 MEDIUM BRONZE



AZ07  
3178 DARK BRONZE



AZ08  
3178 DARK BRONZE

SPECIAL FINISHES



SS1 BRUSH HAIRLINE  
304 GRADE STAINLESS STEEL



SS2 MIRROR  
304 GRADE STAINLESS STEEL



MR1  
ALUMINIUM MIRROR FINISH

COLORS, FINISHES AND PERFORATION PATTERNS

STANDARD PERFORATION PATTERNS

PATTERN NO. 7E



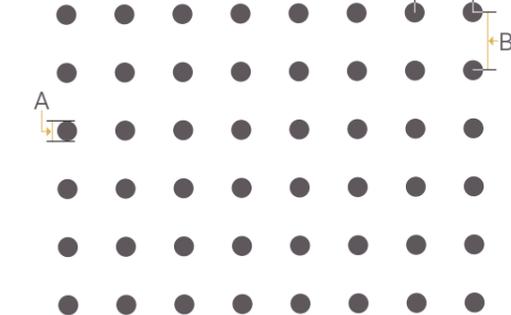
Even Pattern. Hole Size Dia (A): 0.75mm, Pitch (B): 5mm, Open Area: 1%

PATTERN NO. 15E



Even Pattern. Hole Size Dia (A): 1.5mm, Pitch (B): 4mm, Open Area: 11%

PATTERN NO. B1



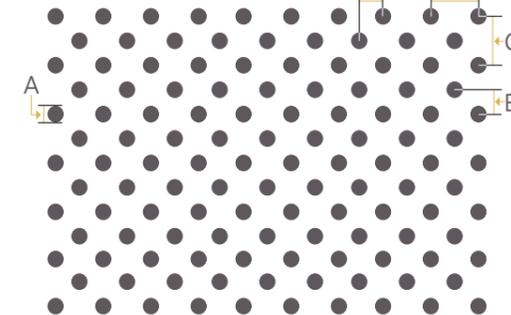
Even Pattern. Hole Size Dia (A): 1.8mm, Pitch (B): 5mm, Open Area: 10%

PATTERN NO. B2



Even Pattern. Hole Size Dia (A): 2.5mm, Pitch (B): 5.5mm, Open Area: 16%

PATTERN NO. 15D



Diagonal Pattern. Hole Size Dia (A): 1.5mm, Pitch(B): 2mm Pitch(C): 4mm, Open Area: 22%

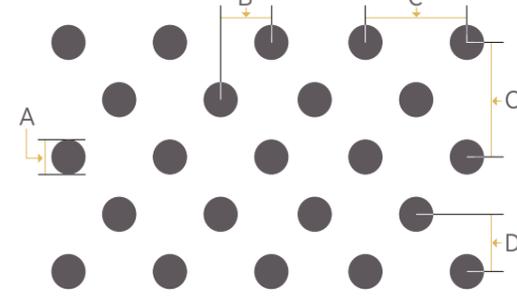
PATTERN NO. A1



Diagonal Pattern. Hole Size Dia (A): 1.8mm, Pitch (B): 2.5mm Pitch (C): 5mm, Open Area: 20%

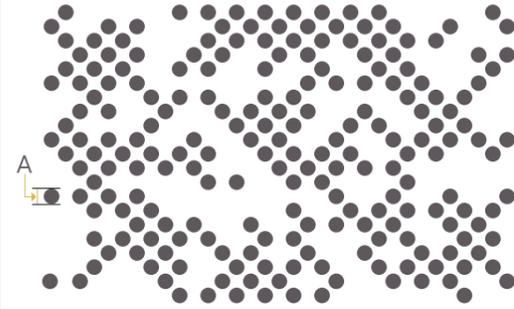
PREMIUM PERFORATION PATTERNS

PATTERN NO. 50D



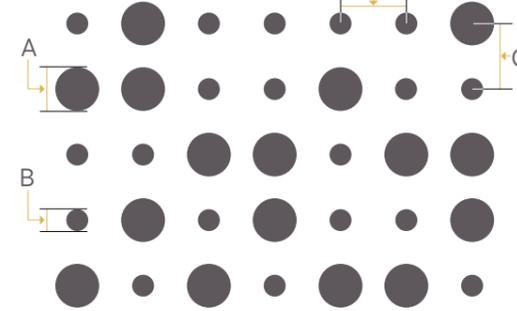
Diagonal Pattern. Hole Size Dia (A): 5mm, Pitch (B): 5mm, Pitch (C): 10mm, Pitch (D): 7.5mm, Open Area: 32%

PATTERN NO. BR30R



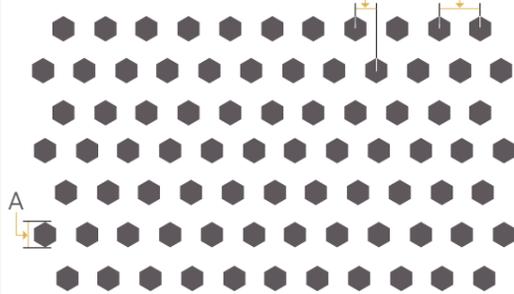
Braille Pattern. Hole Size Dia (A): 30mm, Open Area: 36%

PATTERN NO. BR321630



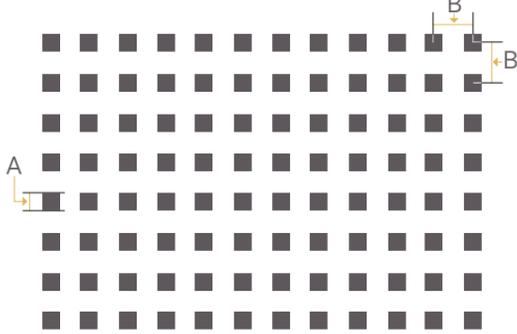
Braille Pattern. Hole Size Dia (A): 32mm, (B): 16mm, Pitch (C): 40mm, Open Area: 30%

PATTERN NO. HX5D



Hexagon Diagonal Pattern. Hole Size (A): 5mm, Pitch (B): 4mm, Pitch (C): 8mm, Open Area: 29%

PATTERN NO. SQ4E



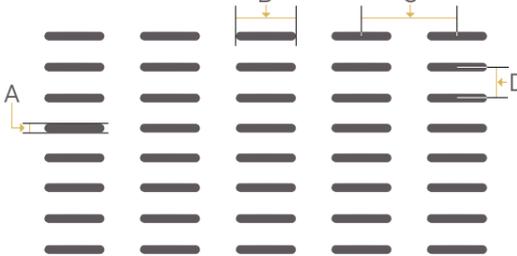
Straight Line Pattern. Hole Size (A): 4mm, Pitch (B): 9mm, Open Area: 20%

PATTERN NO. TR10



Triangular Pattern. Triangle Size (A): 10mm, Pitch (B): 9.16mm, Pitch (C): 18.32mm, (D): 4.8mm, Open Area: 30%

PATTERN NO. OB2014



Oblong Pattern. Hole Size (A): 2mm, (B): 14mm, Pitch (C): 22mm, Pitch (D): 7mm, Open Area: 17%

CUSTOM PERFORATION PATTERNS ARE AVAILABLE UPON REQUEST

METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 35dB CAC depending on ceiling type and infill option. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC	Class	Frequency Hz					
						125	250	500	1000	2000	4000
A1	20%	Acoustic fleece	-	0.75	B	0.70	0.95	0.75	0.75	0.80	0.80
A1	20%	19mm Soft Fiber infill	-	0.90	A	0.65	0.85	0.80	1.00	1.00	1.00
A1	20%	15mm Mineral Fiber infill	32	-	-	-	-	-	-	-	-
A1	20%	Acoustic fleece & 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90	B	0.50	0.55	0.85	1.00	1.00	1.00
A1	20%	Acoustic fleece & 25mm Glass Wool & 12mm Gypsum infill	30	0.85	C	0.55	0.45	0.75	1.00	1.00	1.00
A1	20%	Acoustic fleece & 30mm Stone Wool & Aluminum Foil	34	1.00	A	0.70	0.90	1.00	1.00	1.00	1.00
B2	16%	Acoustic fleece	-	0.60	C	0.65	0.75	0.55	0.55	0.60	0.65
15D	22%	Acoustic fleece	-	0.60	C	0.70	0.65	0.55	0.55	0.60	0.55
15D	22%	Acoustic fleece & 30mm Stone Wool & Aluminum Foil	30	0.80	B	0.70	0.85	0.75	0.75	0.80	0.70
15E	11%	Acoustic fleece	-	0.65	C	0.60	0.80	0.60	0.60	0.70	0.70
15E	11%	Acoustic fleece & 30mm Stone Wool & Aluminum Foil	27	0.80	B	0.80	0.80	0.75	0.80	0.85	0.70
7E	1%	Acoustic fleece	-	0.65	C	0.80	0.75	0.65	0.65	0.60	0.50
7E	1%	Acoustic fleece & 30mm Stone Wool & Aluminum Foil	26	0.90	C	0.80	0.85	0.85	0.95	0.85	0.55
A1	20%	Intersecto Metal Ceiling with Infill	35	0.70	C	0.50	0.60	0.65	0.75	0.70	0.70
A1	20%	Paraline Baffles 40X120 C120 with 38mm Soft Fiber infill	-	0.85	-	0.25	0.50	1.00	1.00	1.00	1.00
A1	20%	Paraline Baffles 50X100 C100 with 50mm Soft Fiber infill	-	0.60	D	0.15	0.35	0.50	0.75	0.70	0.60

LIGHT REFLECTANCE

Metal Tile Description	RAL 9006	RAL 9016	RAL 9010	RAL 7047
	LR	LR	LR	LR
Plain Metal Ceiling	32%	74%	82%	56%
Perforated Metal Ceiling, 1.8mm diameter hole, Diagonal Perforation (20%)	27%	59%	64%	45%

LR results as per ASTM E1477



ACOUSTICAL  
DRYWALL  
CEILING

# ENSEMBLE™ MONOLITHIC ACOUSTICAL CEILING



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

#### FINISH OPTIONS



\*Check with our technical team for lead time delivery

#### FEATURES & BENEFITS

- Seamless plasterboard look with fine texture and true acoustical performance of up to 0.9 NRC.
- Special acoustical perforated USG Ensemble™ panels to optimize sound performance.
- Class 1 surface burning as per BS 476, Part 7.
- Fire propagation index, I = 5.0 as per BS 476, Part 6.
- VOC <0.1 mg/m<sup>2</sup>/hr as per ASTM D5116.
- High light-reflective finish (LR-0.85 for white finish) reduces fixture & energy use.
- Acoustically transparent spray-applied finish.

#### APPLICATIONS

- Hotels
- Luxurious spaces
- Lobby areas
- Executive or boardrooms
- Conference rooms



ENSEMBLE™ DRAWING



## ENSEMBLE™ MONOLITHIC ACOUSTICAL CEILING



### DESCRIPTION

USG Ensemble™ Acoustical Plasterboard Ceiling offers a seamless plasterboard look with true acoustical performance of up to 0.9 NRC. Installation is similar to standard plasterboard and plasterboard suspension systems.

USG Ensemble™ Ceiling Panels are highly engineered, made of gypsum, and perform like acoustical ceiling panels. The Ensemble™ board perforation pattern has 12mm round holes with 20% open area.

### LINING

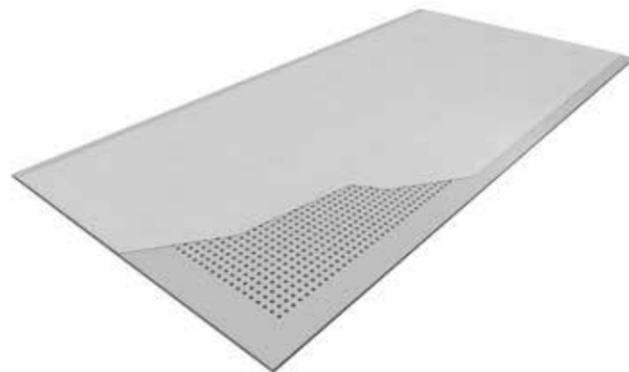
USG Ensemble™ Ceiling Panels 12.5mm-thick, 1200mm-wide, and 2400mm in length, with tapered edges as supplied by USG. Identified by a translucent veil on the front facer and a translucent veil on the back facer, as well as an R12-1 pattern with 20% open area.

### SYSTEM SUMMARY

	USG Ensemble™														
<b>Framing</b>	USG Middle East Suspension System														
<b>Application</b>	Hotels, luxurious spaces, lobby areas, executive or boardrooms, conference rooms														
<b>Performance</b>	<table border="1"> <tr> <td><b>Mass</b></td> <td>≈ 6.7kg/m<sup>2</sup></td> </tr> <tr> <td><b>Acoustic rating*</b></td> <td>Up to NRC 0.9</td> </tr> <tr> <td><b>Light reflectance</b></td> <td>0.85 for white finish</td> </tr> <tr> <td><b>Fire Hazard properties</b></td> <td>Fire propagation index, I = 5.0 (BS 476 Part 6) Surface spread of flame = Class 1 (BS 476 Part 7)</td> </tr> <tr> <td><b>Finish</b></td> <td>Standard white or black. Other RAL colors are available upon request. Seamless and spray-applied fine texture with low VOC-emitting material</td> </tr> </table>	<b>Mass</b>	≈ 6.7kg/m <sup>2</sup>	<b>Acoustic rating*</b>	Up to NRC 0.9	<b>Light reflectance</b>	0.85 for white finish	<b>Fire Hazard properties</b>	Fire propagation index, I = 5.0 (BS 476 Part 6) Surface spread of flame = Class 1 (BS 476 Part 7)	<b>Finish</b>	Standard white or black. Other RAL colors are available upon request. Seamless and spray-applied fine texture with low VOC-emitting material				
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<b>Specification</b>	<table border="1"> <tr> <td><b>Board Size</b></td> <td>1200x2400x12.5mm</td> </tr> <tr> <td><b>Framing</b></td> <td>USG ME Suspension System</td> </tr> <tr> <td><b>Insulation</b></td> <td>Glass Wool 90mm-thick 14kg/m<sup>3</sup> or Stone Wool 50mm-thick 40kg/m<sup>3</sup></td> </tr> <tr> <td><b>Fastener</b></td> <td>25mm Type "S" Needle Point Screws</td> </tr> <tr> <td><b>Joint Tape</b></td> <td>USG Sheetrock® Brand Paper Joint Tape</td> </tr> <tr> <td><b>Joint Compound</b></td> <td>USG ME Monosilent Compound</td> </tr> <tr> <td><b>Final Finish</b></td> <td>USG Ensemble™ Spray-Applied Finish</td> </tr> </table>	<b>Board Size</b>	1200x2400x12.5mm	<b>Framing</b>	USG ME Suspension System	<b>Insulation</b>	Glass Wool 90mm-thick 14kg/m <sup>3</sup> or Stone Wool 50mm-thick 40kg/m <sup>3</sup>	<b>Fastener</b>	25mm Type "S" Needle Point Screws	<b>Joint Tape</b>	USG Sheetrock® Brand Paper Joint Tape	<b>Joint Compound</b>	USG ME Monosilent Compound	<b>Final Finish</b>	USG Ensemble™ Spray-Applied Finish
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<b>Final Finish</b>	USG Ensemble™ Spray-Applied Finish														
<b>Acoustic Performance**</b>	<table border="1"> <tr> <td><b>0.9 NRC</b></td> <td>Insulation: Stone Wool 50mm thick, 40 kg/m<sup>3</sup> 100mm Suspension mounting from plenum</td> </tr> <tr> <td><b>0.9 NRC</b></td> <td>Insulation: Glass Wool 90mm thick, 14kg/m<sup>3</sup> 100mm Suspension mounting from plenum</td> </tr> <tr> <td><b>0.7 NRC</b></td> <td>No Insulation, 200mm Suspension mounting from plenum</td> </tr> <tr> <td><b>0.6 NRC</b></td> <td>No Insulation, 400mm Suspension mounting from plenum</td> </tr> </table>	<b>0.9 NRC</b>	Insulation: Stone Wool 50mm thick, 40 kg/m <sup>3</sup> 100mm Suspension mounting from plenum	<b>0.9 NRC</b>	Insulation: Glass Wool 90mm thick, 14kg/m <sup>3</sup> 100mm Suspension mounting from plenum	<b>0.7 NRC</b>	No Insulation, 200mm Suspension mounting from plenum	<b>0.6 NRC</b>	No Insulation, 400mm Suspension mounting from plenum						
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<b>Warranty</b>	To ensure that the performance of this system meets USG ME's Warranty requirements, USG ME products are to be used and installed only in accordance with our specifications and recommendations.														

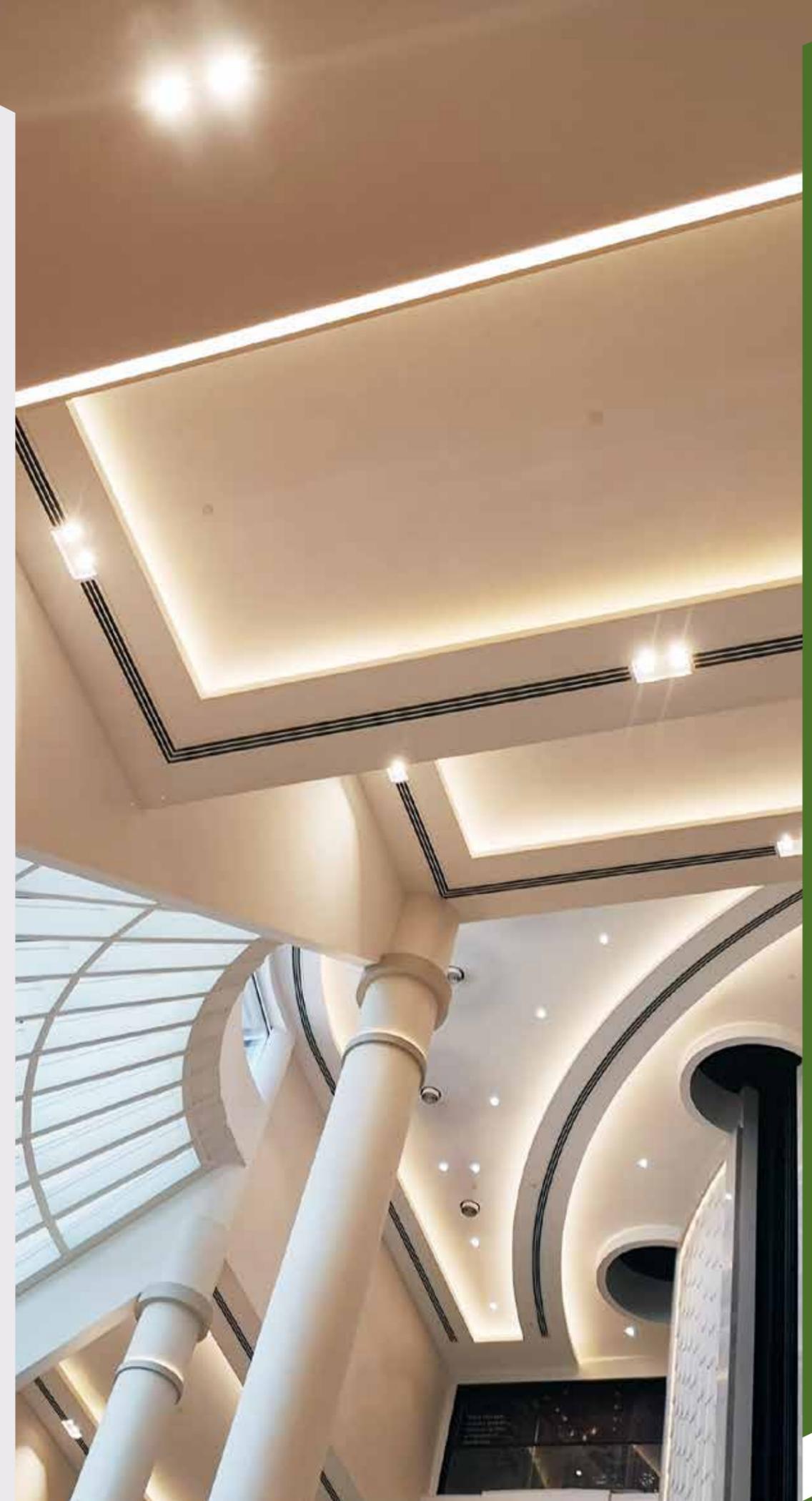
\* NRC values for panels with factory applied acoustical backer

\*\* Additional acoustical backer options available for enhanced total acoustics NRC and CAC performance

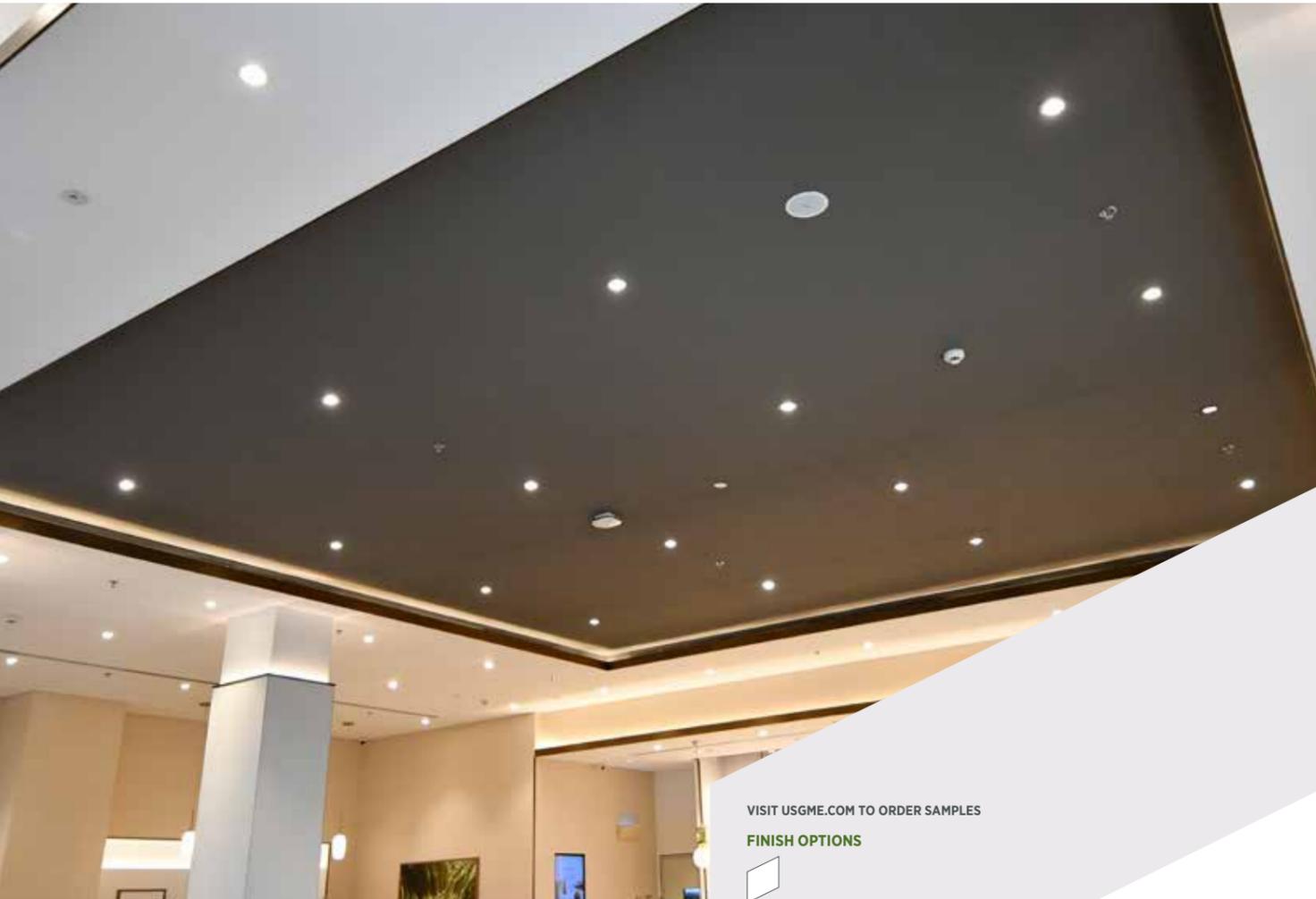


### SYSTEM COMPONENTS

- USG Ensemble™ Ceiling Panels
- USG ME Monosilent Compound
- USG Ensemble™ Spray-Applied Finish
- 50mm-thick 40kg/m<sup>3</sup> Stone Wool or 90mm-thick 14kg/m<sup>3</sup> Glass Wool
- USG Middle East drywall ceiling suspension system
- USG Middle East jointing and tape solution



# MONOSILENT MONOLITHIC ACOUSTICAL CEILING

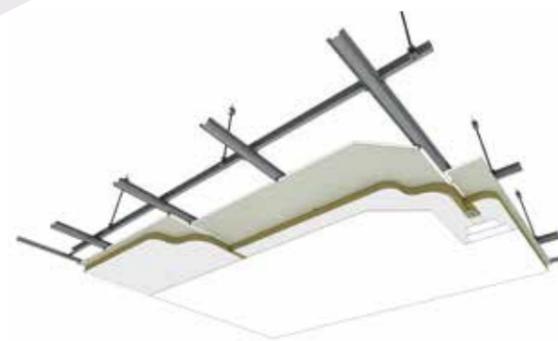


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## FINISH OPTIONS



Flat White  
050



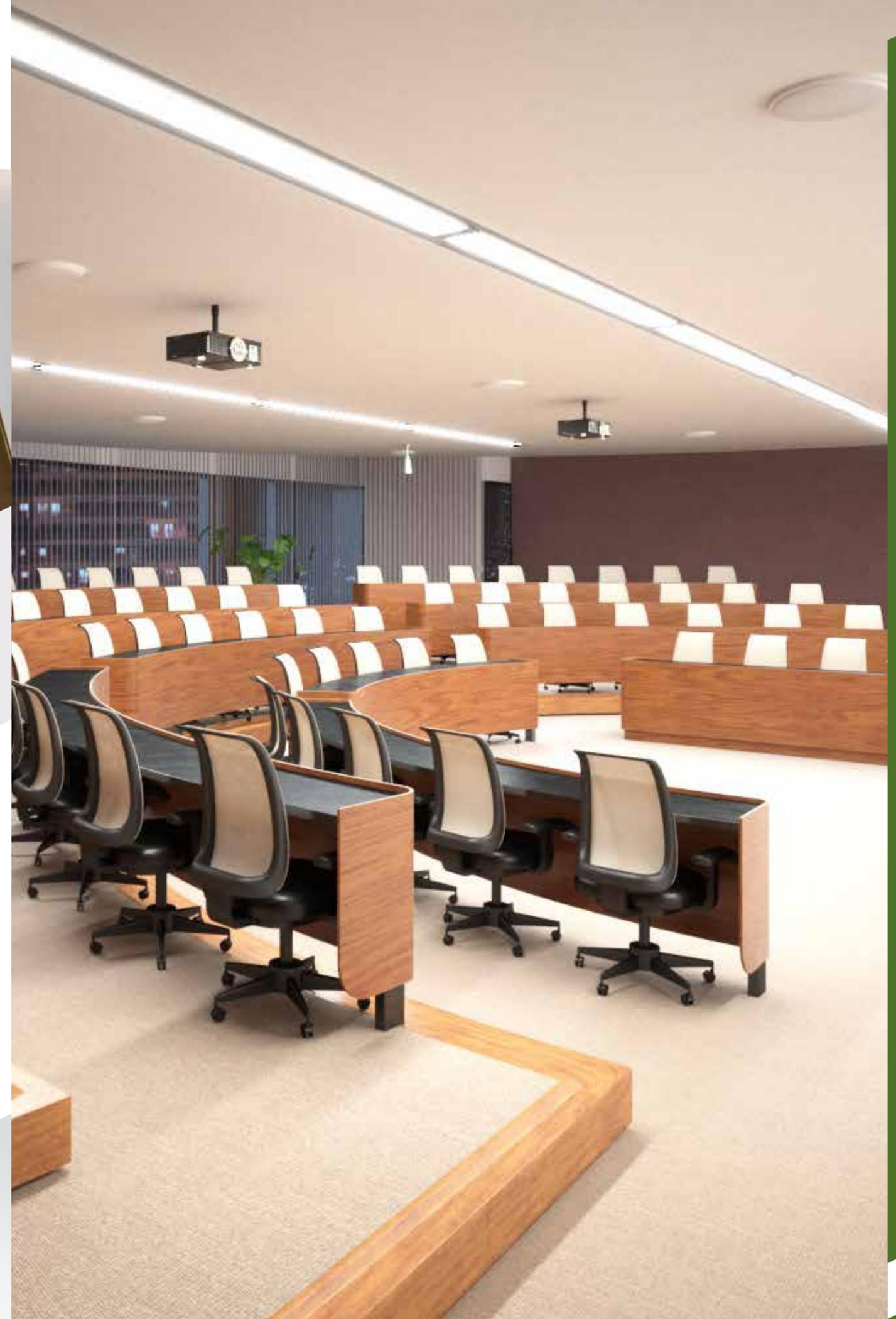
MONOSILENT DRAWING

## FEATURES & BENEFITS

- Seamless plasterboard look with acoustic performance of up to 0.95 NRC and 43 CAC.
- Class A fire rating.
- Class 1 surface burning as per BS 476, Part 7.
- High light-reflective finish (LR-0.85 for white finish) reduces fixture & energy use.
- Acoustically transparent spray-applied finish.
- Ideal for renovation when low room reverberation time is desired.

## APPLICATIONS

- Lobbies
- Commercial offices
- Atriums
- Museums
- Executive/board rooms
- Conference rooms
- Corridors



## MONOSILENT MONOLITHIC ACOUSTICAL CEILING



### DESCRIPTION

USG Middle East's Acoustical System Monolithic Acoustical Ceiling System is a lightweight, non-combustible, high acoustic, seamless ceiling system consisting of 12.5mm thick screws fixed to frame system with a Spray Applied Paint Finish.

### SYSTEM SUMMARY

Monosilent													
<b>Application</b>	Lobbies, Commercial offices, Atriums, Museums, Executive/Board Rooms, Conference Rooms, Corridors												
<b>Mass</b>	12 kg/m <sup>2</sup>												
<b>Acoustic Performance</b>	Up to: NRC 0.95 and CAC 43dB												
<b>Substrate</b>	25mm or 38mm glass wool substrate attached to 12.5mm gypsum board on the rear side												
<b>Light Reflectance</b>	0.85 for white finish												
<b>Fire Rated</b>	Class A												
<b>Surface Finish</b>	White, seamless, spray-applied fine texture with low VOC-emitting material. Custom finishes are available upon request												
<b>Specification</b>	<table border="0"> <tr> <td><b>Framing</b></td> <td>USG Middle East Primary Channel USG Middle East Furring Channel USG Middle East Connecting clip USG Middle East Primary C Bracket USG Middle East Suspension Rod</td> </tr> <tr> <td><b>Lining</b></td> <td>USG Middle East gypsum board 12.5mm thick panel</td> </tr> <tr> <td><b>Insulation</b></td> <td>25mm or 38mm glass wool 100 kg/m<sup>3</sup></td> </tr> <tr> <td><b>Joint Tape</b></td> <td>Fiber glass mesh tape 50mm width</td> </tr> <tr> <td><b>Joint Compound</b></td> <td>USG ME Monosilent Compound</td> </tr> <tr> <td><b>Final Finish</b></td> <td>USG ME Monosilent Spray-Applied Finish</td> </tr> </table>	<b>Framing</b>	USG Middle East Primary Channel USG Middle East Furring Channel USG Middle East Connecting clip USG Middle East Primary C Bracket USG Middle East Suspension Rod	<b>Lining</b>	USG Middle East gypsum board 12.5mm thick panel	<b>Insulation</b>	25mm or 38mm glass wool 100 kg/m <sup>3</sup>	<b>Joint Tape</b>	Fiber glass mesh tape 50mm width	<b>Joint Compound</b>	USG ME Monosilent Compound	<b>Final Finish</b>	USG ME Monosilent Spray-Applied Finish
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### LINING

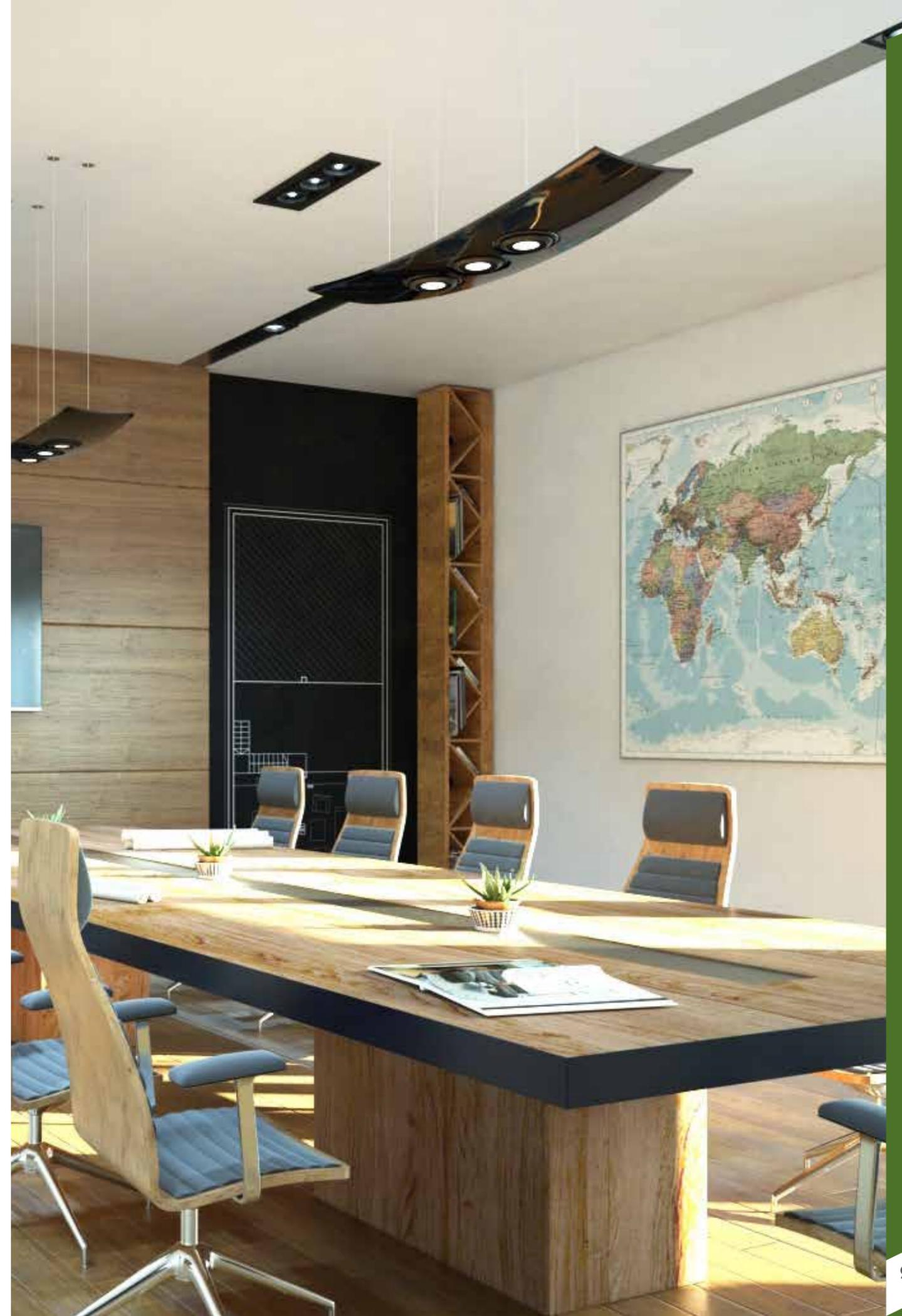
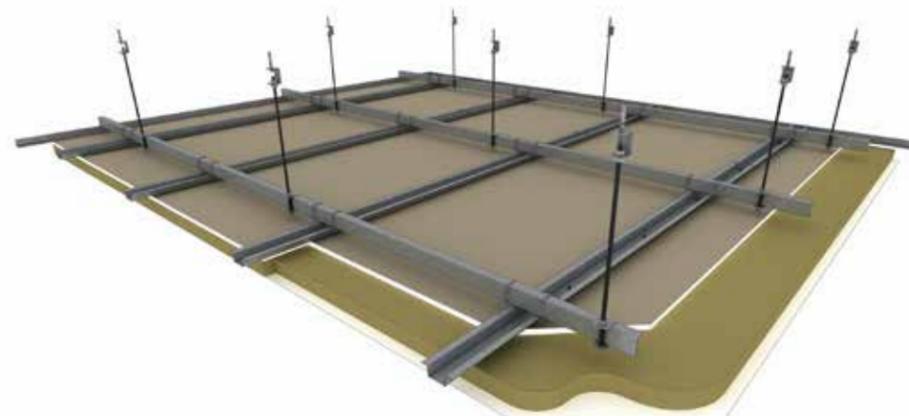
USG Middle East Plasterboard 12.5mm thickness, 1200mm width and 2400mm length, with soft panel recessed edges as supplied by USG Middle East.



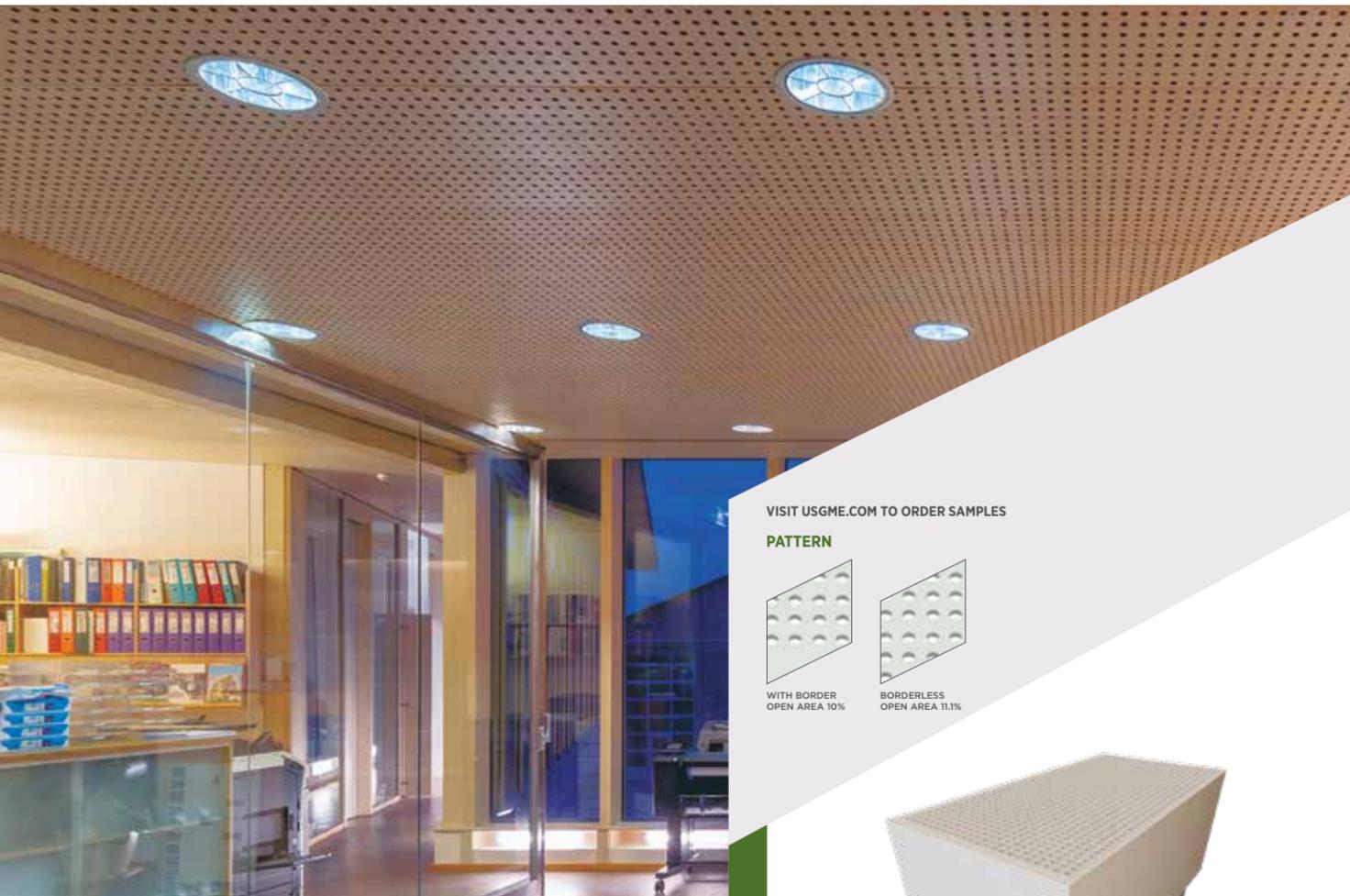
50 mm (NRC 0.95)



38 mm (NRC 0.75)



# SKYROCK® ECOBLOCK - R6 ROUND PERFORATION



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

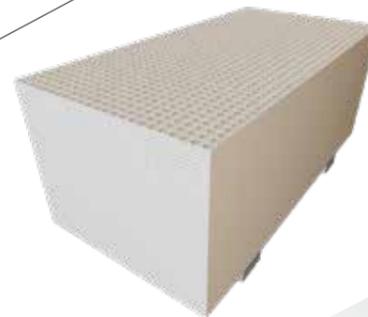
#### PATTERN



WITH BORDER  
OPEN AREA 10%



BORDERLESS  
OPEN AREA 11.1%



ROUND PERFORATION R6,10%

ROUND PERFORATION R6,11% BORDERLESS

#### FEATURES & BENEFITS

##### Great Aesthetics, Excellent Noise Absorption

- Tested to achieve up to 0.85 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.
- Available in borderless perforation pattern for seamless appearance to enhance the ceiling aesthetic.
- Available in various customized perforation configurations.

#### APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms

## SKYROCK® ECOBLOCK - R6 ROUND PERFORATION



#### DESCRIPTION

Skyrock® Ecoblock Round Perforation R6 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back. These Acoustical Gypsum Boards are ideal for various sound absorption applications with an enhanced aesthetic look.

#### FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and gypsum board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

#### ADVANTAGES

**Performance:** Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.  
**Acoustic Performance:** Superior NRC Capabilities up-to 0.85.  
**Easy to Install:** Scores and snaps easily. Similar installation to conventional Plasterboard.

#### COMPLIANCE

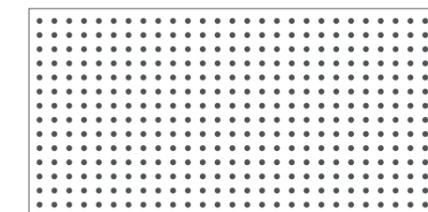
Skyrock® Ecoblock Round Perforation R6

- ASTM C423 for Noise Reduction Coefficient
- E84 for classification for fire propagation and surface flame spread

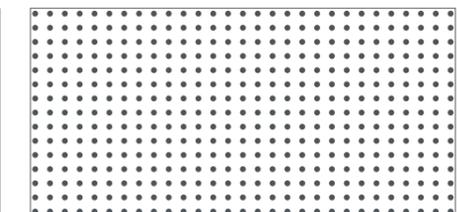
#### PRODUCT DATA

Property	R6, 10% <sup>1</sup>	R6, 11.1% Borderless <sup>2</sup>
Weight (kg/m <sup>2</sup> )	6.75 kg/m <sup>2</sup>	6.65 kg/m <sup>2</sup>
Density	600 kg/m <sup>3</sup>	600 kg/m <sup>3</sup>
Thickness	12.5 mm	12.5 mm
Actual Board Length	2384 mm	2365 mm
Actual Board Width	1200 mm	1069 mm
Hole Type	Round	Round
Hole Diameter	6 mm	6 mm
Border	45 mm	Borderless
Pitch (center to center spacing between holes)	16 mm	16 mm
Layout	One Group 70 X 144 Holes	One Group 67 X 148 Holes
Perforation Rate (%)	10%	11.1%
Noise Reduction Coefficient (NRC)	0.7	0.7
Noise Reduction Coefficient (NRC*) with Insulation	0.85	0.85

\*Insulation (Optional) 24kg/m<sup>3</sup>, 75mm glass wool as backer panel for higher acoustic values



1 1200mm x 2384mm  
Gypsum Board R6, 10%  
70 X 144 Holes



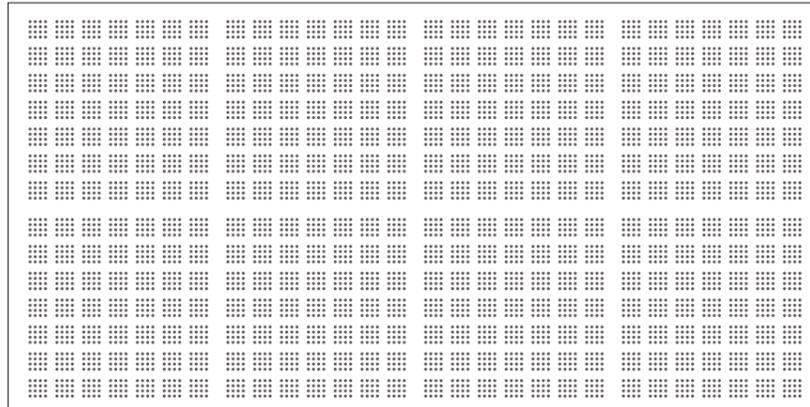
2 Borderless 1069mm x 2365mm  
Gypsum Board R6, 11.1%  
67 X 148 Holes

Refer to Skyrock Ecoblock R6 additional layout designs for more board perforation options

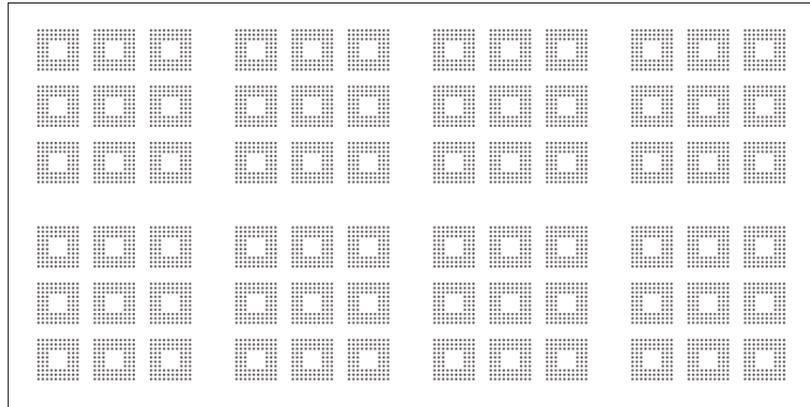
PATTERN G-1



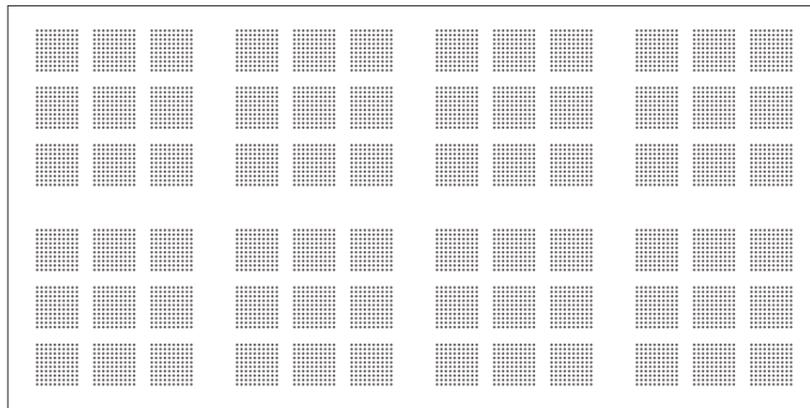
PATTERN G8-2



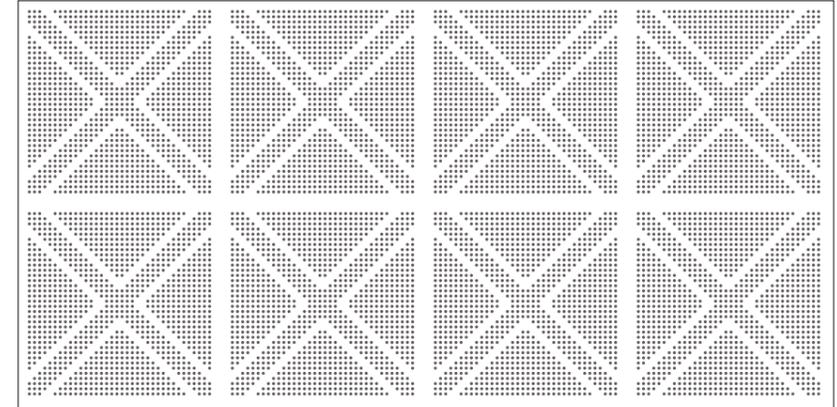
PATTERN G8-3



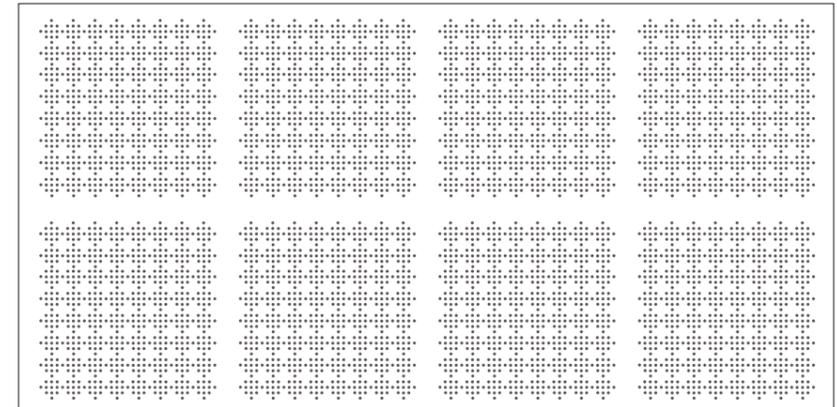
PATTERN G8-4



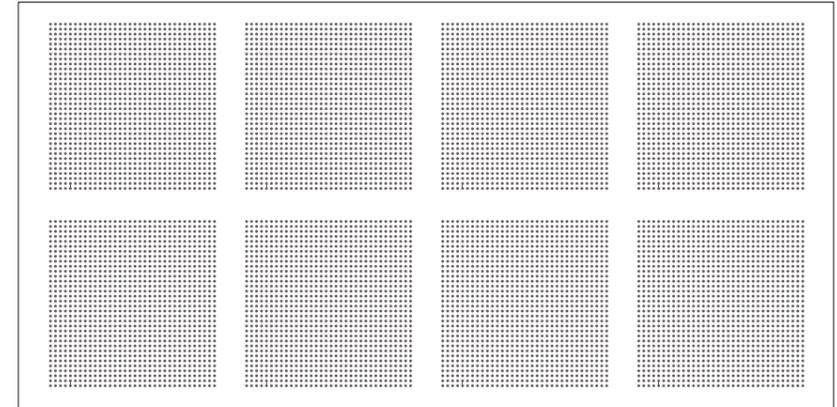
PATTERN G8-5



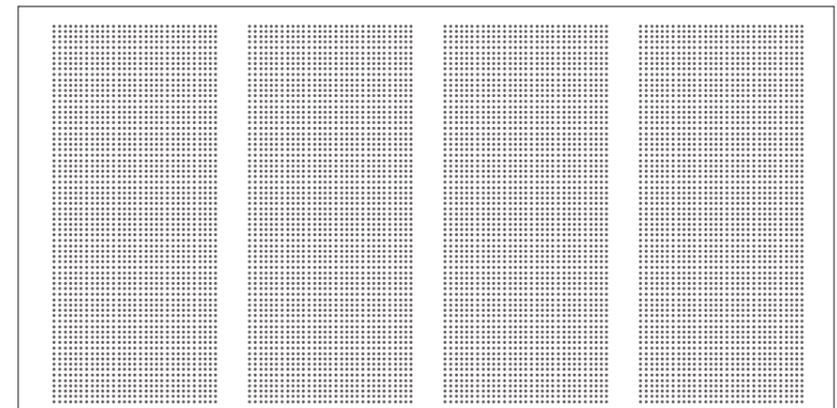
PATTERN G8-6



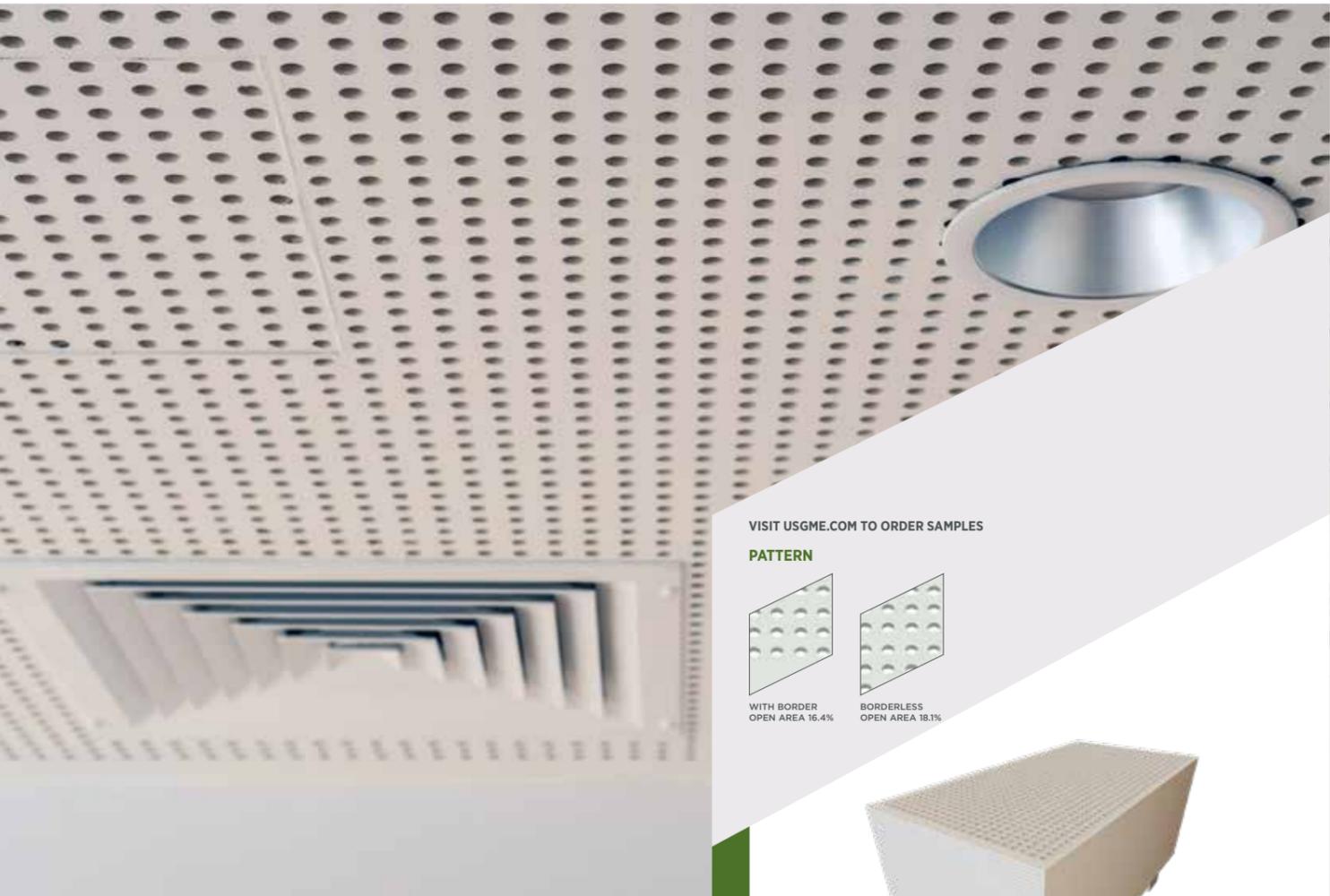
PATTERN G8-7



PATTERN G8-8



# SKYROCK® ECOBLOCK - R12 ROUND PERFORATION



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

#### PATTERN



WITH BORDER  
OPEN AREA 16.4%



BORDERLESS  
OPEN AREA 18.1%



ROUND PERFORATION R12, 16.4%

ROUND PERFORATION R12, 18.1% BORDERLESS

#### FEATURES & BENEFITS

##### Great Aesthetics, Excellent Noise Absorption

- Tested to achieve up to 0.95 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

#### APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms
- Restaurants

## SKYROCK® ECOBLOCK - R12 ROUND PERFORATION



#### DESCRIPTION

Skyrock® Ecoblock Round Perforation R12 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

#### FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

#### ADVANTAGES

**Performance:** Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.  
**Acoustic Performance:** Superior NRC Capabilities up-to 0.95.  
**Easy to Install:** Scores and snaps easily. Similar installation to conventional Plasterboard.

#### COMPLIANCE

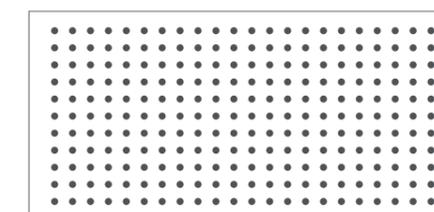
- Comply with:
- ASTM C423 for Noise Reduction Coefficient
  - E84 for classification for fire propagation and surface flame spread

#### PRODUCT DATA

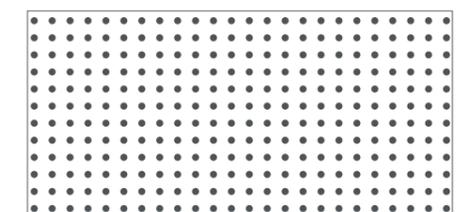
Property	R12,16.4% <sup>1</sup>	R12,18.1% <sup>2</sup>
Weight (kg/m <sup>2</sup> )	6.27 kg/m <sup>2</sup>	6.15 kg/m <sup>2</sup>
Density	600 kg/m <sup>3</sup>	600 kg/m <sup>3</sup>
Thickness	12.5 mm	12.5 mm
Actual Board Length	2400 mm	2400 mm
Actual Board Width	1200 mm	1200 mm
Hole Type	Round	Round
Hole Diameter	12 mm	12 mm
Border	70 mm	Borderless
Pitch (center to center spacing between holes)	25 mm	25 mm
Layout	One Group 46 x 91 Holes	One Group 48 x 96 Holes
Perforation Rate (%)	16.4%	18.1%
Noise Reduction Coefficient (NRC)	0.70	0.70
Noise Reduction Coefficient (NRC*) with Insulation	up to 0.95	up to 0.95

\*Insulation (Optional) 24kg/m<sup>3</sup>, 75mm glass wool as backer panel for higher acoustic values

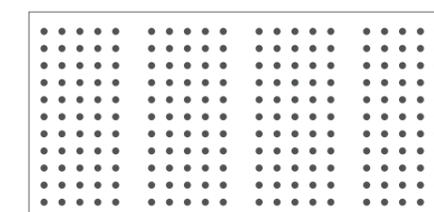
#### R12 LAYOUT DESIGNS



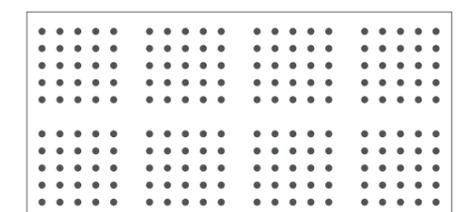
1 1200mm x 2400mm  
Gypsum Board R12,16.4%  
46 x 91 Holes



2 Borderless 1200mm x 2400mm  
Gypsum Board R12,18.1%  
48 x 96 Holes



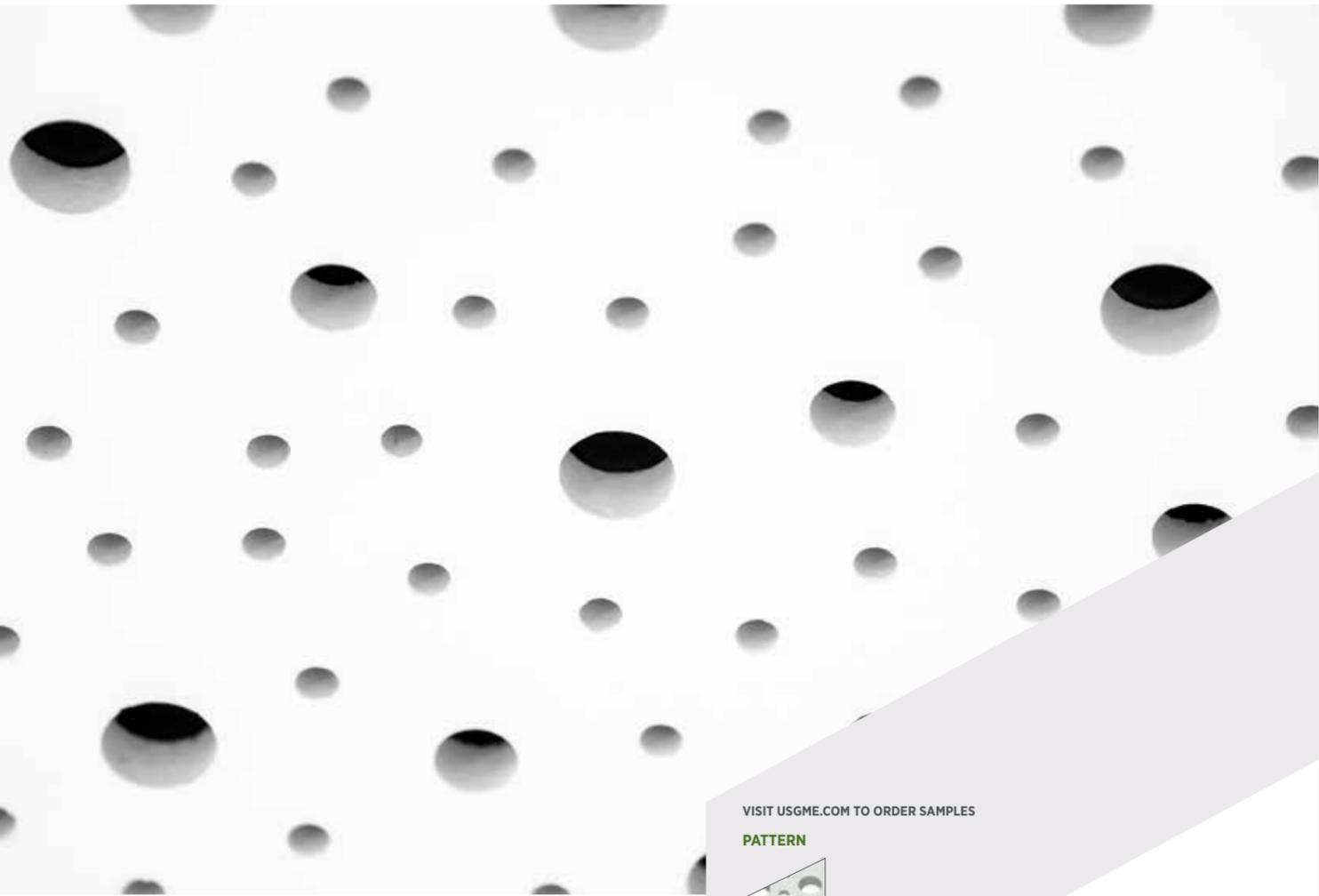
3 Strip design



4 Globe 8 design

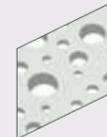
# SKYROCK® ECOBLOCK - R8-15-20

RANDOM PERFORATION



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

PATTERN



OPEN AREA 17%



RANDOM PERFORATION R8-15-20, 17%

## FEATURES & BENEFITS

### Great Aesthetics, Excellent Noise Absorption

- Tested to achieve 0.75 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

## APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms
- Restaurants

## SKYROCK® ECOBLOCK - R8-15-20

RANDOM PERFORATION



### DESCRIPTION

Skyrock® Ecoblock Random Perforation R8-15-20 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

These Acoustical Gypsum Boards are ideal for various sound absorption applications with an enhanced aesthetic look.

### FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and gypsum board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

### ADVANTAGES

**Performance:** Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.

**Acoustic Performance:** Superior NRC capabilities up-to 0.75.

**Easy to Install:** Scores and snaps easily. Similar installation to conventional plasterboard.

### COMPLIANCE

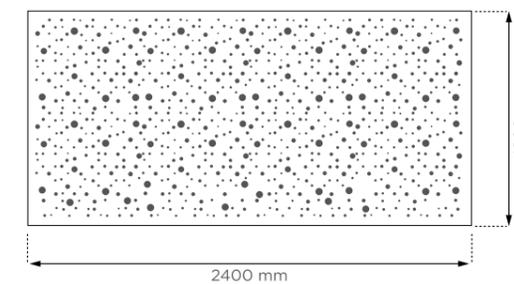
Comply with:

- ASTM C423 for Noise Reduction Coefficient
- E84 for classification for fire propagation and surface flame spread

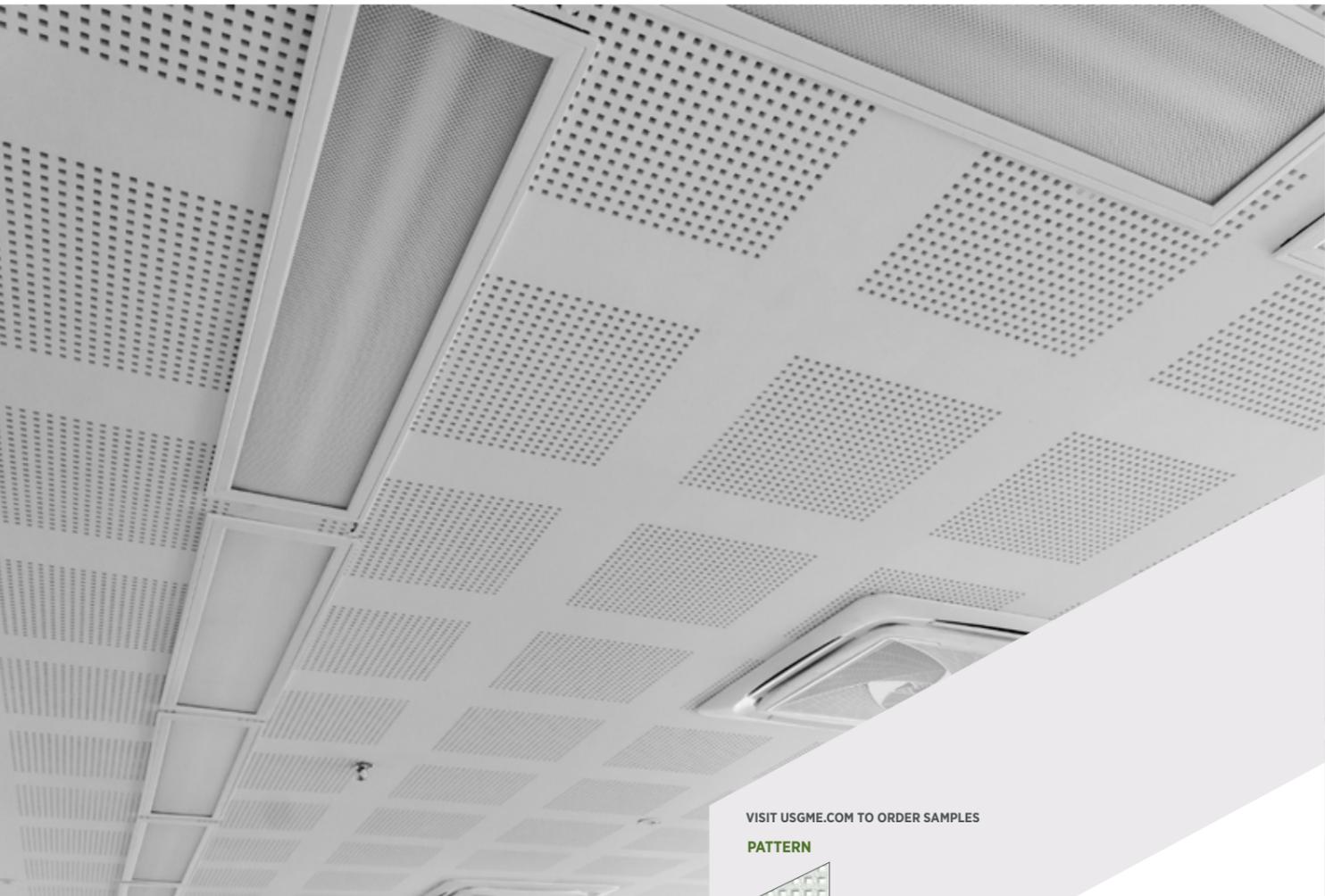
### PRODUCT DATA

Property	R8-15-20, 17%
Weight (kg/m <sup>2</sup> )	6.76 kg/m <sup>2</sup>
Thickness (mm)	12.5
Length (mm)	2400
Width (mm)	1200
Hole Type	Round
Hole Diameter (mm)	8, 15, 20
Layout Drawing	As per the below drawing
Perforation Rate (%)	17% with black acoustic tissue at the back
Noise Reduction Coefficient (NRC*)	0.75
Mounting	E-400

\*Insulation (Optional) 24kg/m<sup>3</sup>, 75mm glass wool as backer panel for higher acoustic values



# SKYROCK® ECOBLOCK - Q3 SQUARE PERFORATION



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

#### PATTERN



OPEN AREA 11.1%

#### FEATURES & BENEFITS

##### Great Aesthetics, Excellent Noise Absorption

- Tested to achieve 0.75 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

#### APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms

SQUARE PERFORATION Q3, 11.1%



#### DESCRIPTION

### SKYROCK® ECOBLOCK - Q3 SQUARE PERFORATION



#### FINISHING AND DECORATING

Skyrock® Ecoblock Square Perforation Q3 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

#### ADVANTAGES

**Performance:** Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.  
**Acoustic Performance:** Superior NRC capabilities up-to 0.75.  
**Easy to Install:** Scores and snaps easily. Similar installation to conventional plasterboard.

#### COMPLIANCE

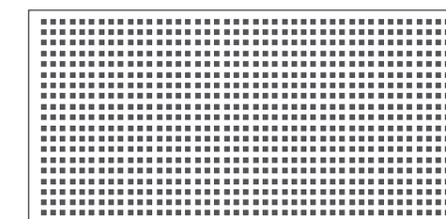
Skyrock® Ecoblock Square Perforation Q3, 11.1%  
• ASTM C423 for Noise Reduction Coefficient  
• E84 for classification for fire propagation and surface flame spread

#### PRODUCT DATA

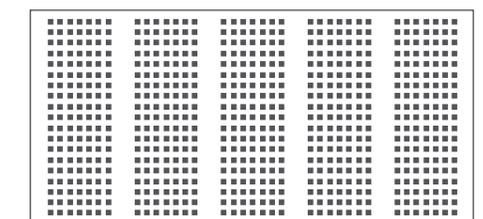
Property	Q3, 11.1%
Weight (kg/m <sup>2</sup> )	6.67 kg/m <sup>2</sup>
Thickness (mm)	12.5
Length (mm)	2400
Width (mm)	1200
Hole Type	Square
Hole Size (mm)	3 x 3
Border (mm)	24.87
Pitch (center to center spacing between holes){mm}	8.33
Halls layout (L x W)	283 x 139
Layout Drawing	As per the below drawing
Perforation Rate (%)	11.1%
Noise Reduction Coefficient (NRC*)	0.75
Mounting	E-400

\*Insulation (Optional) 24kg/m<sup>3</sup>, 75mm glass wool as backer panel for higher acoustic values

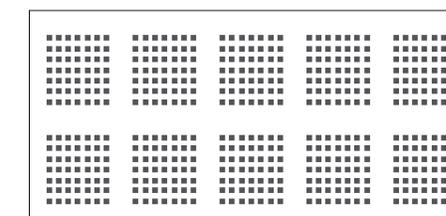
#### Q3 LAYOUT DESIGNS



1 Fully perforated



2 Strip design



3 Globe 8 design

# SKYROCK® ECOBLOCK - Q9 SQUARE PERFORATION



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

#### PATTERN



OPEN AREA 22.6%

#### FEATURES & BENEFITS

##### Great Aesthetics, Excellent Noise Absorption

- Tested to achieve 0.70 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

#### APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms

SQUARE PERFORATION Q9, 22.6%



## SKYROCK® ECOBLOCK - Q9 SQUARE PERFORATION



#### DESCRIPTION

Skyrock® Ecoblock Square Perforation Q9 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

#### FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

#### ADVANTAGES

**Performance:** Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.  
**Acoustic Performance:** Superior NRC capabilities up-to 0.70.  
**Easy to Install:** Scores and snaps easily. Similar installation to conventional plasterboard.

#### COMPLIANCE

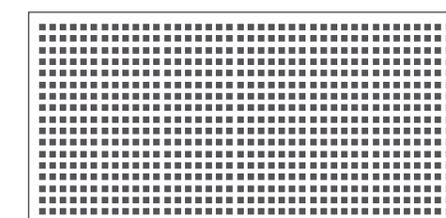
- Skyrock® Ecoblock Square Perforation Q9, 22.6%
- ASTM C423 for Noise Reduction Coefficient
  - E84 for classification for fire propagation and surface flame spread

#### PRODUCT DATA

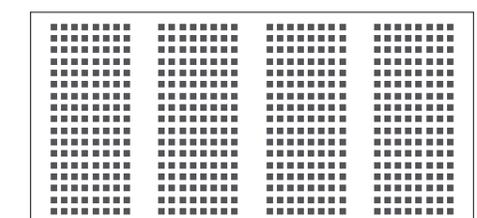
Property	Q9, 22.6%
Weight (kg/m <sup>2</sup> )	5.8 kg/m <sup>2</sup>
Thickness (mm)	12.5
Length (mm)	2400
Width (mm)	1200
Hole Type	Square
Hole Size (mm)	9 x 9
Border (mm)	20
Pitch (center to center spacing between holes){mm}	21
Halls layout (L x W)	114 x 57
Layout Drawing	As per the below drawing
Perforation Rate (%)	22.6%
Noise Reduction Coefficient (NRC*)	0.70
Mounting	E-400

\*Insulation (Optional) 24kg/m<sup>3</sup>, 75mm glass wool as backer panel for higher acoustic values

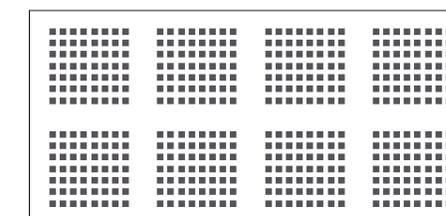
#### Q9 LAYOUT DESIGNS



1 Fully perforated



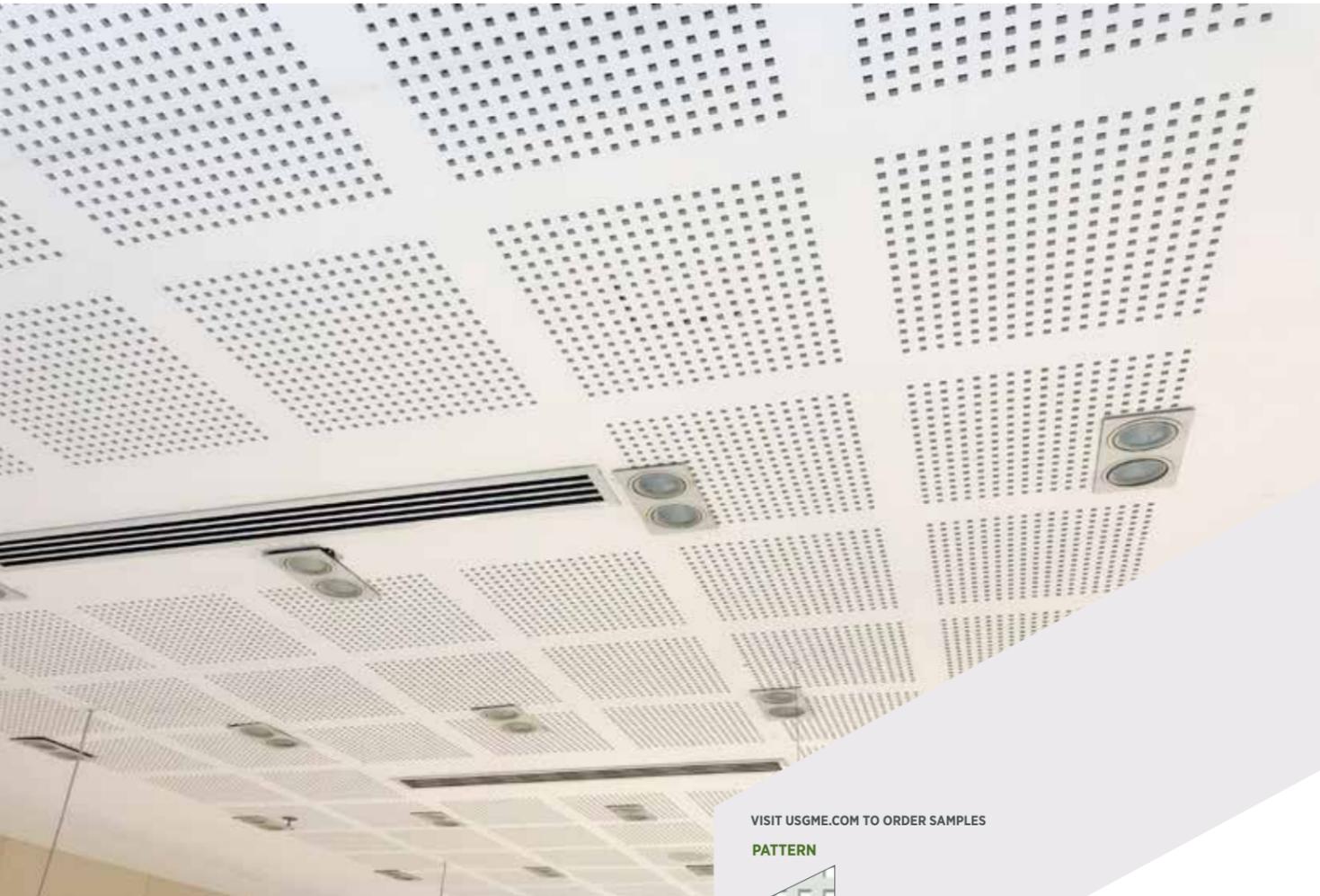
2 Strip design



3 Globe 8 design

# SKYROCK® ECOBLOCK - Q12

## SQUARE PERFORATION



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

### PATTERN



OPEN AREA 16%

### FEATURES & BENEFITS

#### Great Aesthetics, Excellent Noise Absorption

- Tested to achieve 0.70 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

### APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms

SQUARE PERFORATION Q12, 16%



### DESCRIPTION

## SKYROCK® ECOBLOCK - Q12

### SQUARE PERFORATION



Skyrock® Ecoblock Square Perforation Q12 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

### FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

### ADVANTAGES

**Performance:** Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.  
**Acoustic Performance:** Superior NRC capabilities up-to 0.70.  
**Easy to Install:** Scores and snaps easily. Similar installation to conventional plasterboard.

### COMPLIANCE

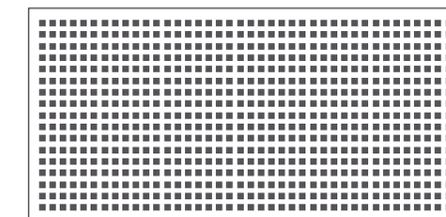
- Comply with:
- ASTM C423 for Noise Reduction Coefficient
  - E84 for classification for fire propagation and surface flame spread

### PRODUCT DATA

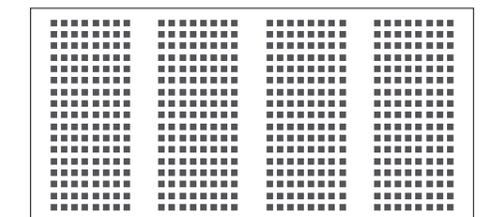
Property	Q12, 16%
Weight (kg/m <sup>2</sup> )	6.3 kg/m <sup>2</sup>
Thickness (mm)	12.5
Length (mm)	2400
Width (mm)	1200
Hole Type	Square
Hole Size (mm)	12 x 12
Border (mm)	67.5
Pitch (center to center spacing between holes){mm}	30
Layout Drawing	As per the below drawing
Perforation Rate (%)	16% with black acoustic tissue at the back
Noise Reduction Coefficient (NRC*)	0.70
Mounting	E-400

\*Insulation (Optional) 24kg/m<sup>3</sup>, 75mm glass wool as backer panel for higher acoustic values

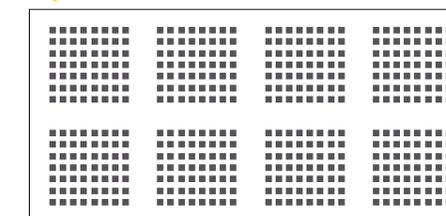
### Q12 LAYOUT DESIGNS



1 Fully perforated



2 Strip design



3 Globe 8 design



**SKYNEST<sup>®</sup>**  
WOOD WOOL

# SKYNEST® WOOD WOOL BAFFLES



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

### FINISH OPTIONS



SKYNEST® WOOD WOOL BAFFLES

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
25mm	0.60	0.60	0.55	0.65	0.85	0.95	0.65

\* Calculated to ASTM C 423-01

### FEATURES & BENEFITS

- Skynest® acoustic baffles are a durable and nature friendly material made of top quality wood wool and cement.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- By combining fire safety with good acoustic and heat insulation properties, this product offers the widest variety of design solutions.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach up to 0.65 NRC.
- Not only provides sound insulation but also absorbs excess moisture in rooms. Does not change shape or warp in high humidity rooms.

### APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurant



SKYNEST® WOOD WOOL BAFFLES

## SKYNEST® WOOD WOOL BAFFLES



### SUSPENSION SYSTEM

Consists of a stainless-steel screw eye hook dropping from the soffit that is fixed on the tiles through helicoidal rotation. Screw hook accessories are adjustable to suit different plenum heights. The Screw hook is designed to safely hold the tile weight of a floated ceiling.

**Materials Classification** Stainless Steel 1.5mm screw diameter with breaking force of 2.10 KN with eye diameter of 12mm and total height of 40mm

**Product Specs** Suspension Rope with Cable Gripper & Hook 1.5mm wire diameter

**ASTM & Code Standards** Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic  
Stainless Steel Wire that exceeds design load requirements of ASTM C635

### SPECIFICATION DETAILS

SkyneSt® Wood Wool Acoustical Ceiling meets the specifications in accordance with EN 13964.

#### Material Classification

Type: XIV

Pattern: L

#### Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

#### Substrate and Surface Finish

Wood Wool substrate finished with factory applied paint finish

#### Wood Wool

0.5mm, 1mm, 1.5mm, 3mm\*

#### Panel Thickness

25mm

#### Edge Detail Trim

Square blade

#### Weight

1mm Wood Wool: 25mm: 10.5 kg/m<sup>2</sup>

1.5mm Wood Wool: 25mm: 9.8 kg/m<sup>2</sup>

#### Noise Reduction Coefficient [NRC]

[0.60] [0.65] [1.0]

#### Color

Natural, white, black, grey, or painted according to RAL color chart.

#### Reaction to Fire as per EN 13501-1

1mm Wood Wool: A2-s1, d0  
1.5mm Wood Wool: B-s1, d0

#### Thermal conductivity

$\lambda = 0.066$  W/mK

#### Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface

#### Additional Information

- USG Middle East's SkyneSt® Wood Wool Baffles are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- 3mm Wood Wool is available upon request. Consult your USG Middle East sales office.



Superfine  
1 mm Wood Wool Strand Width



Fine  
1.5 mm Wood Wool Strand Width



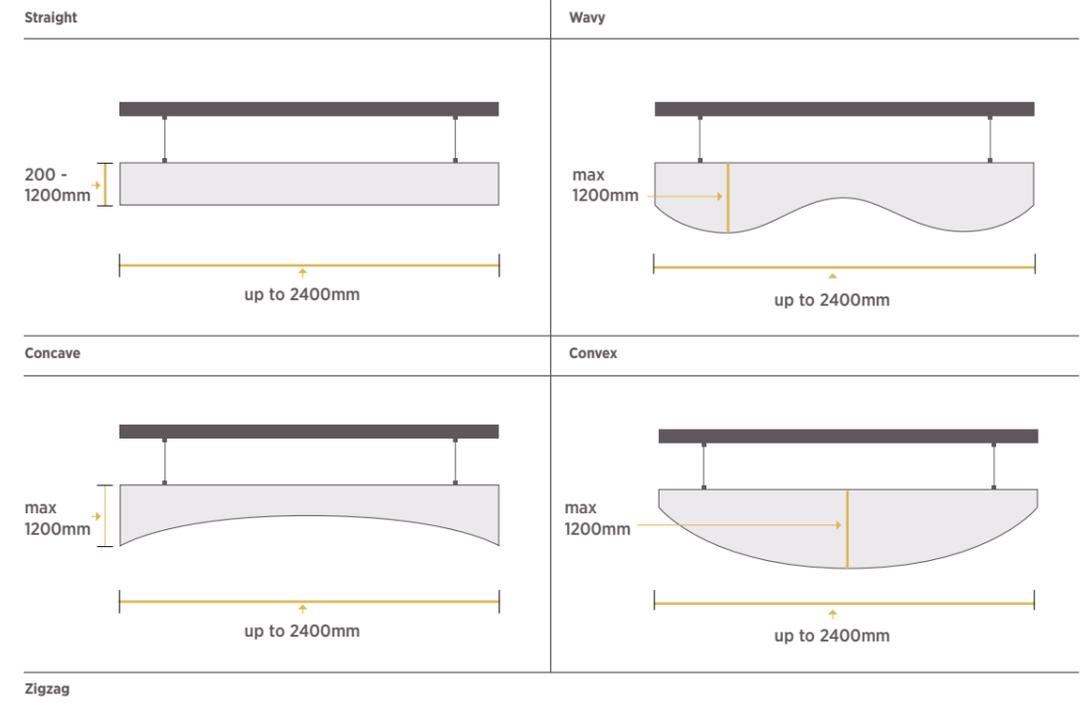
Regular  
3 mm Wood Wool Strand Width

\* 3mm Wood Wool are available upon request, refer to our technical team for more information

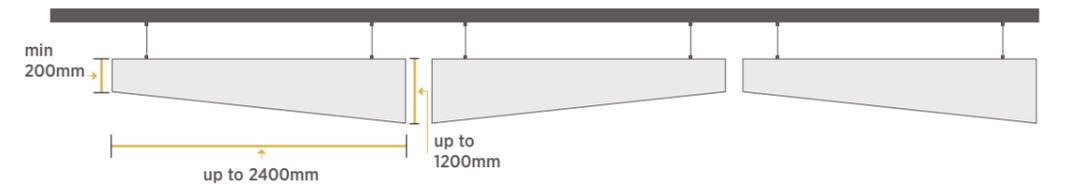
## SKYNEST® WOOD WOOL BAFFLES



### SYSTEMS CONFIGURATIONS\*



### Zigzag



\* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other configurations are available upon request.



# SKYNEST® WOOD WOOL CANOPIES



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### FINISH OPTIONS



SKYNEST® WOOD WOOL CANOPIES



Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
25mm	0.60	<b>0.60</b>	<b>0.55</b>	<b>0.65</b>	<b>0.85</b>	0.95	<b>0.65</b>

\* Calculated to ASTM C 423-01

### FEATURES & BENEFITS

- Skynest® acoustic canopies are a durable and environmentally friendly material made of top-quality wood wool and cement.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- By combining fire safety with good acoustic and heat insulation properties, this product offers the widest variety of design solutions.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach up to 0.65 NRC.
- Not only provides sound insulation but also absorbs excess moisture in rooms. Does not change shape or warp in high humidity rooms.
- Featuring endless shapes, system configuration and layouts allowing the designers for freedom in design.

### APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurants



SKYNEST® WOOD WOOL CANOPIES

## SKYNEST® WOOD WOOL CANOPIES



### SUSPENSION SYSTEM

Consists of a stainless-steel Screw eye hook dropping from the soffit that is fixed on the tiles through helicoidal rotation. Screw hook accessories are adjustable to suit different plenum heights. The Screw hook is designed to safely hold the tile weight of a floated ceiling.

**Materials Classification** Stainless Steel 1.5mm screw diameter with breaking force of 2.10 KN with eye diameter of 12mm and total height of 40mm

**Product Specs** Suspension Rope with Cable Gripper & Hook 1.5mm wire diameter

**ASTM & Code Standards** Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic  
Stainless Steel Wire that exceeds design load requirements of ASTM C635

### SPECIFICATION DETAILS

SkyneSt® Wood Wool Acoustical Ceiling meets the specifications in accordance with EN 13964.

#### Material Classification

Type: XIV  
Pattern: L

#### Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

#### Substrate and Surface Finish

Wood Wool substrate finished with factory applied paint finish

#### Wood Wool

0.5mm, 1mm, 1.5mm, 3mm\*

#### Panel Thickness

25mm

#### Edge Detail Trim

Square blade

#### Weight

1mm Wood Wool:

25mm: 10.5 kg/m<sup>2</sup>

1.5mm Wood Wool:

25mm: 9.8 kg/m<sup>2</sup>

#### Noise Reduction Coefficient [NRC]

[0.60] [0.65] [1.0]

#### Color

Natural, white, black, grey, or painted according to RAL color chart.

#### Reaction to Fire as per EN 13501-1

1mm Wood Wool: A2-s1, d0

1.5mm Wood Wool: B-s1, d0

#### Thermal conductivity

$\lambda = 0.066$  W/mK

#### Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface

#### Additional Information

- USG Middle East's SkyneSt® Wood Wool Canopies are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Panels must be ordered in multiples of two.
- Take care to minimize movement due to airflow within a space.
- 3mm Wood Wool is available upon request. Consult your USG Middle East sales office.
- Available in different shapes & configuration.



Superfine  
1 mm Wood Wool Strand Width



Fine  
1.5 mm Wood Wool Strand Width

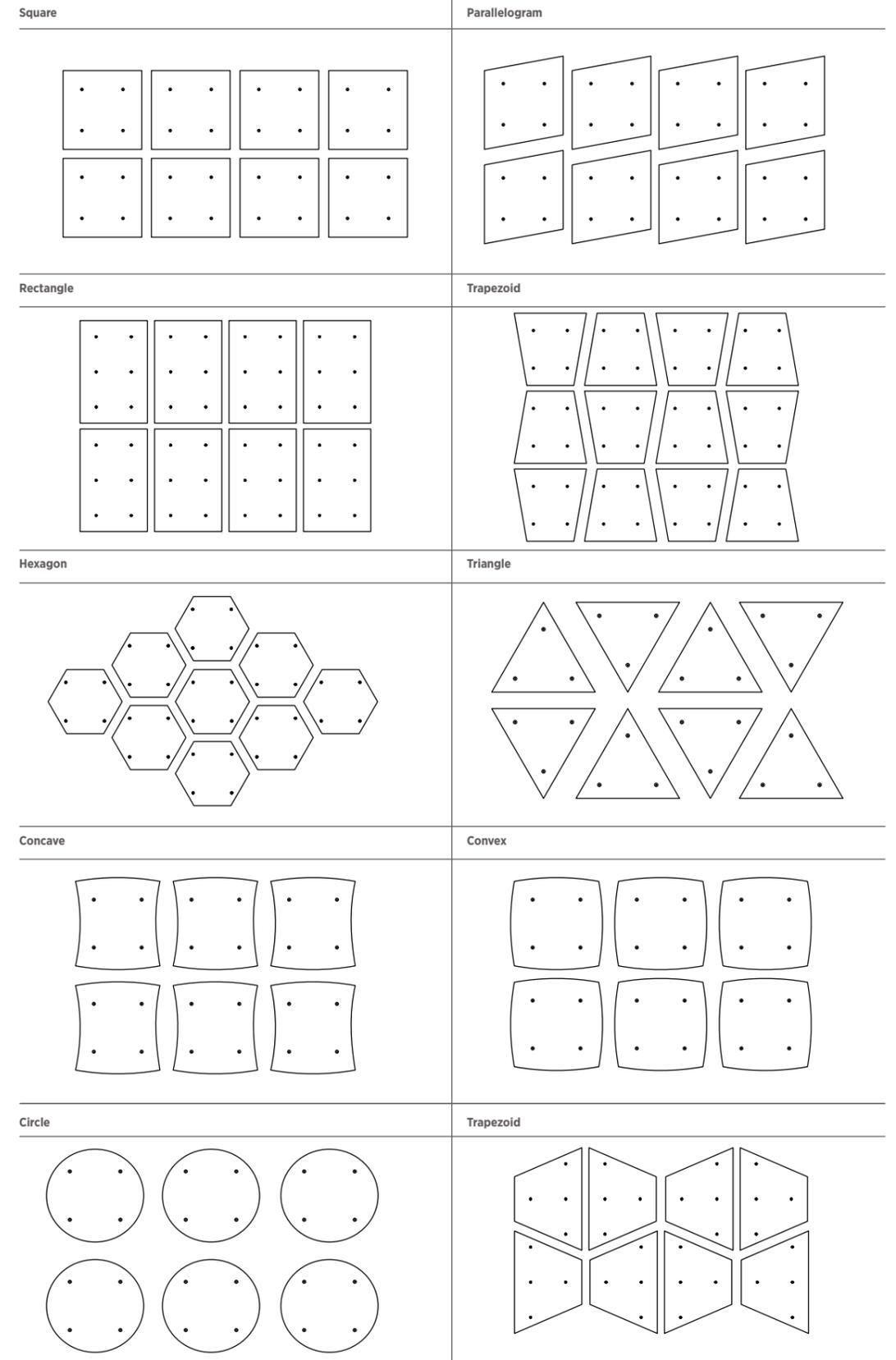


Regular  
3 mm Wood Wool Strand Width

## SKYNEST® WOOD WOOL CANOPIES



### SYSTEMS CONFIGURATIONS\*



\* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other configurations are available upon request.

# SKYNEST® WOOD WOOL SUSPENDED CEILING

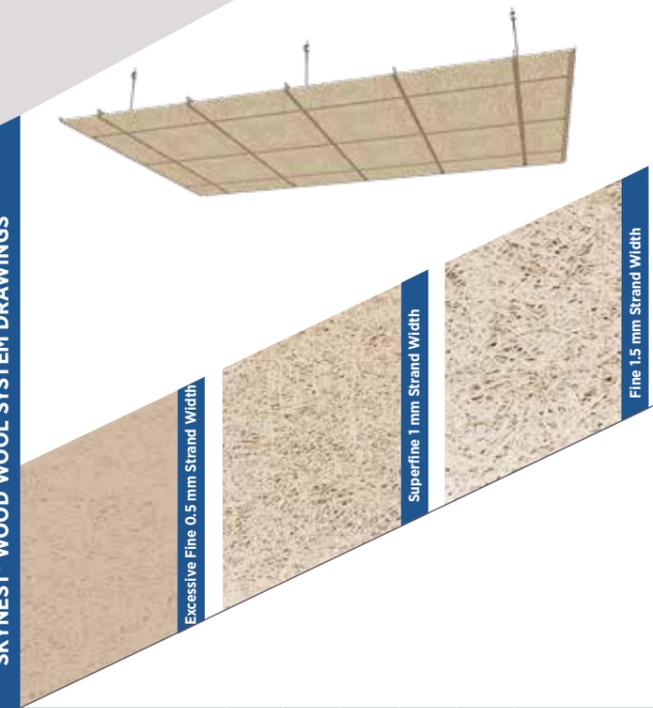


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### FINISH OPTIONS



SKYNEST® WOOD WOOL SYSTEM DRAWINGS



Frequency, Hz	125	250	500	1000	2000	4000	NRC*
15mm	0.55	0.60	0.45	0.60	0.70	0.75	0.60
15mm**	0.80	1.0	1.0	1.0	1.0	1.0	1.0
25mm	0.60	0.60	0.55	0.65	0.85	0.95	0.65
25mm**	0.85	1.0	1.0	1.0	1.0	1.0	1.0

\* Calculated to ASTM C 423-01  
\*\* With acoustical infill

### FEATURES & BENEFITS

- Durable and environmentally-friendly decorative acoustical wood wool panels for indoor use.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach up to 1.0 NRC
- Available in concealed and lay-in options.
- Made from high-quality wood wool and cement.
- Class A Firecode material with great acoustic and thermal insulation capacities.
- Perfectly suitable for the widest range of interior solutions.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- M1 Formaldehyde emission class.
- Available in 0.5mm, 1.0mm and 1.5mm wood wool strip.
- Available in different colors and panels size configurations.
- Featuring concealed suspension ceiling system with many design configurations for a modern interior design.

### APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurant

### GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT/DXF FLB Edge	DX/DXL D-BESK Edge	DX/DXL BESK Edge

### SPECIFICATION DETAILS

SkyneSt® Wood Wool Acoustical Ceiling meets the specifications in accordance with EN 13964.

**Material Classification**  
Type: XIV  
Pattern: L

**Benefits**  
The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

**Substrate and Surface Finish**  
Wood Wool substrate finished with factory applied paint finish

**Wood Wool**  
0.5mm, 1mm, 1.5mm, 3mm\*

**Panel Thickness**  
15mm, 25mm

**Edge Detail Trim**  
Square [SQ, SB], Reveal [SLT, FL]  
Concealed [Besk, D-Besk, S-Besk]

**Weight**  
1mm Wood Wool:  
15mm: 6.3 kg/m<sup>2</sup>  
25mm: 10.5 kg/m<sup>2</sup>  
1.5mm Wood Wool:  
15mm: 5.9 kg/m<sup>2</sup>  
25mm: 9.8 kg/m<sup>2</sup>

**Noise Reduction Coefficient [NRC]**  
[0.60] [0.65] [1.0]

**Color**  
Natural, white, black, grey, or painted according to RAL color chart.

**Reaction to Fire as per EN 13501-1**  
1mm Wood Wool: A2-s1, d0  
1.5mm Wood Wool: B-s1, d0

**Thermal conductivity**  
λ = 0.066 W/mK

**Maintenance**  
Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface

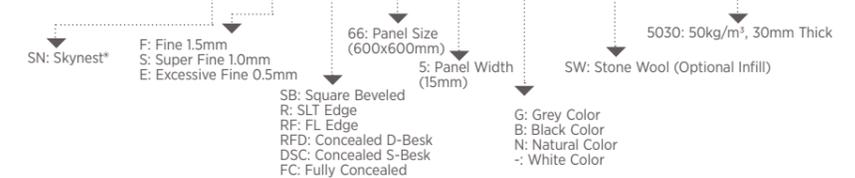
**Additional Information**

- USG Middle East's SkyneSt® Wood Wool Acoustical Ceiling Panels are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- Installation of wood wool acoustic panels are for interior use in an environment with carefully-controlled humidity and temperature.
- Installation should take place in a clean, dust-free environment.
- Panels should be stored flat to protect against moisture and dirt.
- Panel surface color may vary from edge color as these are natural materials.

\* 3mm Wood Wool are available upon request, refer to our technical team for more information

### ITEM CODIFICATION

SNFSB665-G-SW5030



Excessive Fine  
0.5 mm Wood Wool Strand Width



Super Fine  
1.0 mm Wood Wool Strand Width



Fine  
1.5 mm Wood Wool Strand Width

# SKYNEST® WOOD WOOL DIRECT MOUNTING



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

### FINISH OPTIONS



SKYNEST® WOOD WOOL DIRECT MOUNTING



Frequency, Hz	125	250	500	1000	2000	4000	NRC*
15mm	0.55	0.60	0.45	0.60	0.70	0.75	0.60
15mm**	0.80	1.0	1.0	1.0	1.0	1.0	1.0
25mm	0.60	0.60	0.55	0.65	0.85	0.95	0.65
25mm**	0.85	1.0	1.0	1.0	1.0	1.0	1.0

\* Calculated to ASTM C 423-01  
\*\* With acoustical infill

### FEATURES & BENEFITS

- Directly fixed to the ceiling plenum using the drywall suspension system.
- Durable and environmentally-friendly decorative acoustical wood wool panels for indoor use.
- Made from high-quality wood wool and cement.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach up to 1.0 NRC.
- Class A Firecode material with great acoustic and thermal insulation capacities.
- Perfectly suitable for the widest range of interior solutions.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- M1 Formaldehyde emission class.
- Available in 0.5mm, 1.0mm and 1.5mm wood wool strip.
- Available in different colors and panel size configurations.

### APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurant

### SPECIFICATION DETAILS

### SKYNEST® WOOD WOOL DIRECT MOUNTING



SkyneSt® Wood Wool Acoustical Ceiling meets the specifications in accordance with EN 13964.

#### Material Classification

Type: XIV

Pattern: L

#### Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

#### Substrate and Surface Finish

Wood Wool substrate finished with factory applied paint finish

#### Wood Wool

0.5mm, 1mm, 1.5mm, 3mm\*

#### Panel Thickness

15mm, 25mm

#### Edge Detail Trim

Square [SQ, SB], Reveal [SLT, FL], Concealed [Besk, D-Besk, S-Besk]

#### Weight

1mm Wood Wool:  
15mm: 6.3 kg/m<sup>2</sup>  
25mm: 10.5 kg/m<sup>2</sup>

#### 1.5mm Wood Wool:

15mm: 5.9 kg/m<sup>2</sup>  
25mm: 9.8 kg/m<sup>2</sup>

#### Infill Option

30mm to 75mm

#### Noise Reduction Coefficient [NRC]

[0.60] [0.65] [1.0]

#### Color

Natural, white, black, grey, or painted according to RAL color chart.

#### Reaction to Fire as per EN 13501-1

1mm Wood Wool: A2-s1, d0, 1.5mm Wood Wool: B-s1, d0

#### Thermal conductivity

$\lambda = 0.066$  W/mK

#### Maintenance

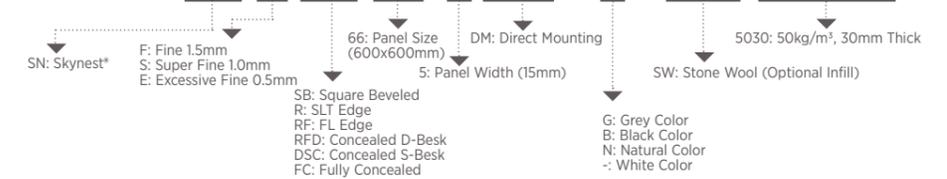
Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface

#### Additional Information

- USG Middle East's SkyneSt® Wood Wool Direct Mounting Ceiling Panels are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- Installation of wood wool acoustic panels are for interior use in an environment with carefully-controlled humidity and temperature.
- Installation should take place in a clean, dust-free environment.
- Panels should be stored flat to protect against moisture and dirt.
- Panel surface color may vary from edge color as these are natural materials.

### ITEM CODIFICATION

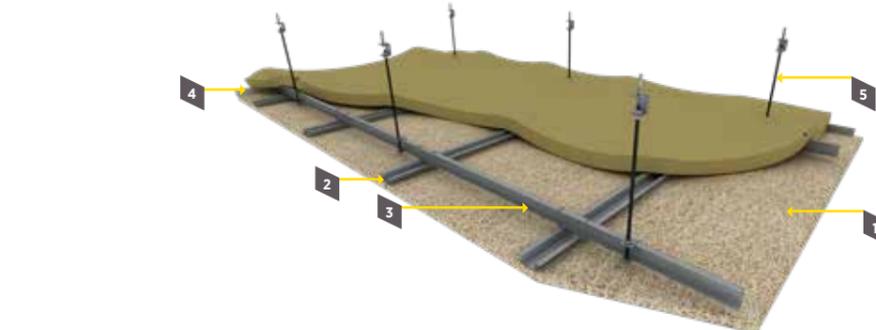
**SNF SB 66 5 DM - G - SW 5030**



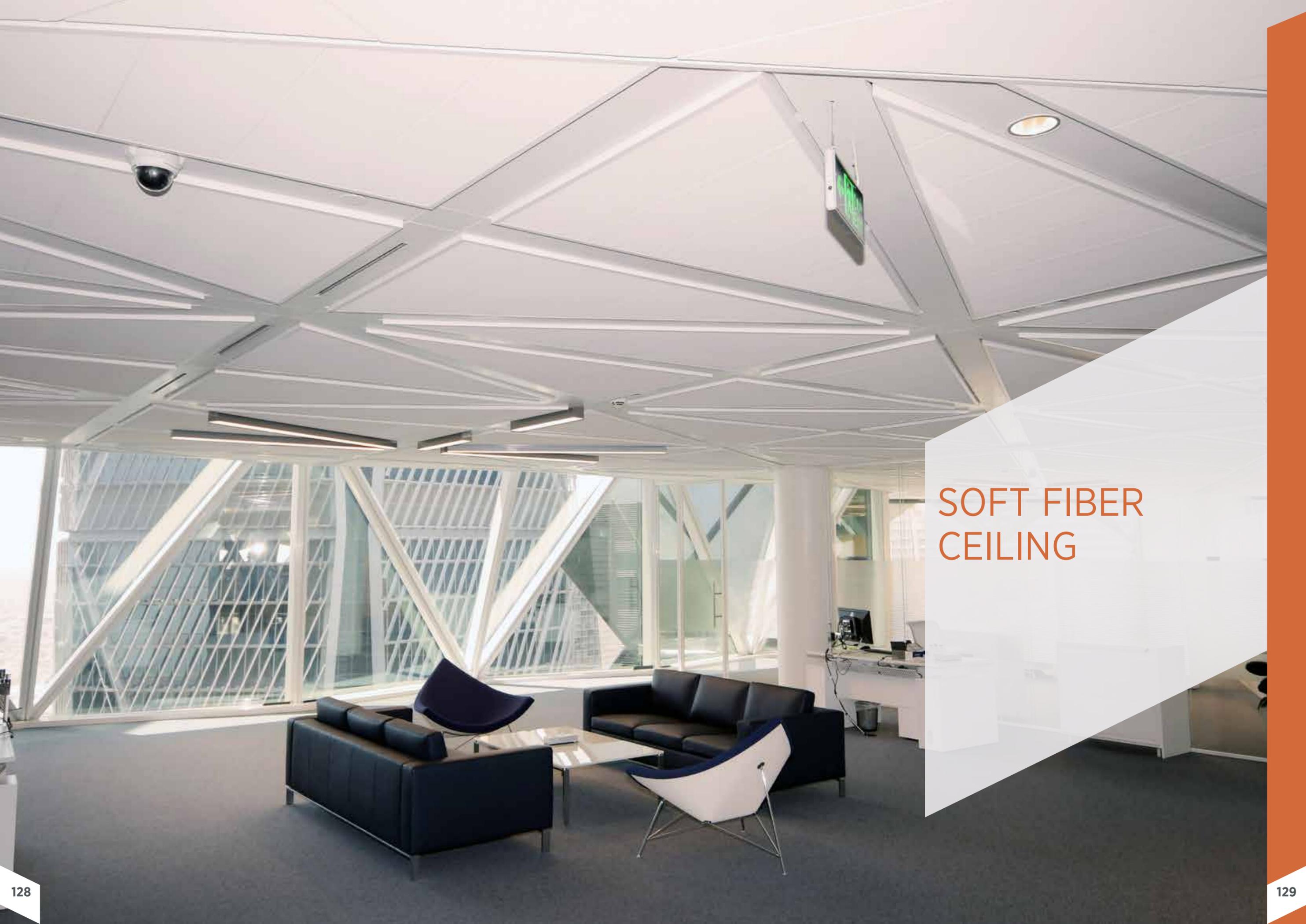
### SKYNEST® WOOD WOOL DIRECT MOUNTING SYSTEM COMPONENTS



### SYSTEM DRAWINGS



1 Wood Wool Panel 2 Furring Channel 3 Primary Channel 4 Perimeter Angle 5 Hanging System



## SOFT FIBER CEILING

# LOUNA™ BAFFLE



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**FINISH OPTIONS**

White Light Grey Dark Grey Yellow  
Green Blue Brown Black

**LOUNA™ BAFFLE DRAWING**

Frequency, Hz	125	250	500	1000	2000	4000	NRC
1800x300x40mm	0.20	0.30	0.65	0.90	0.85	0.80	0.70

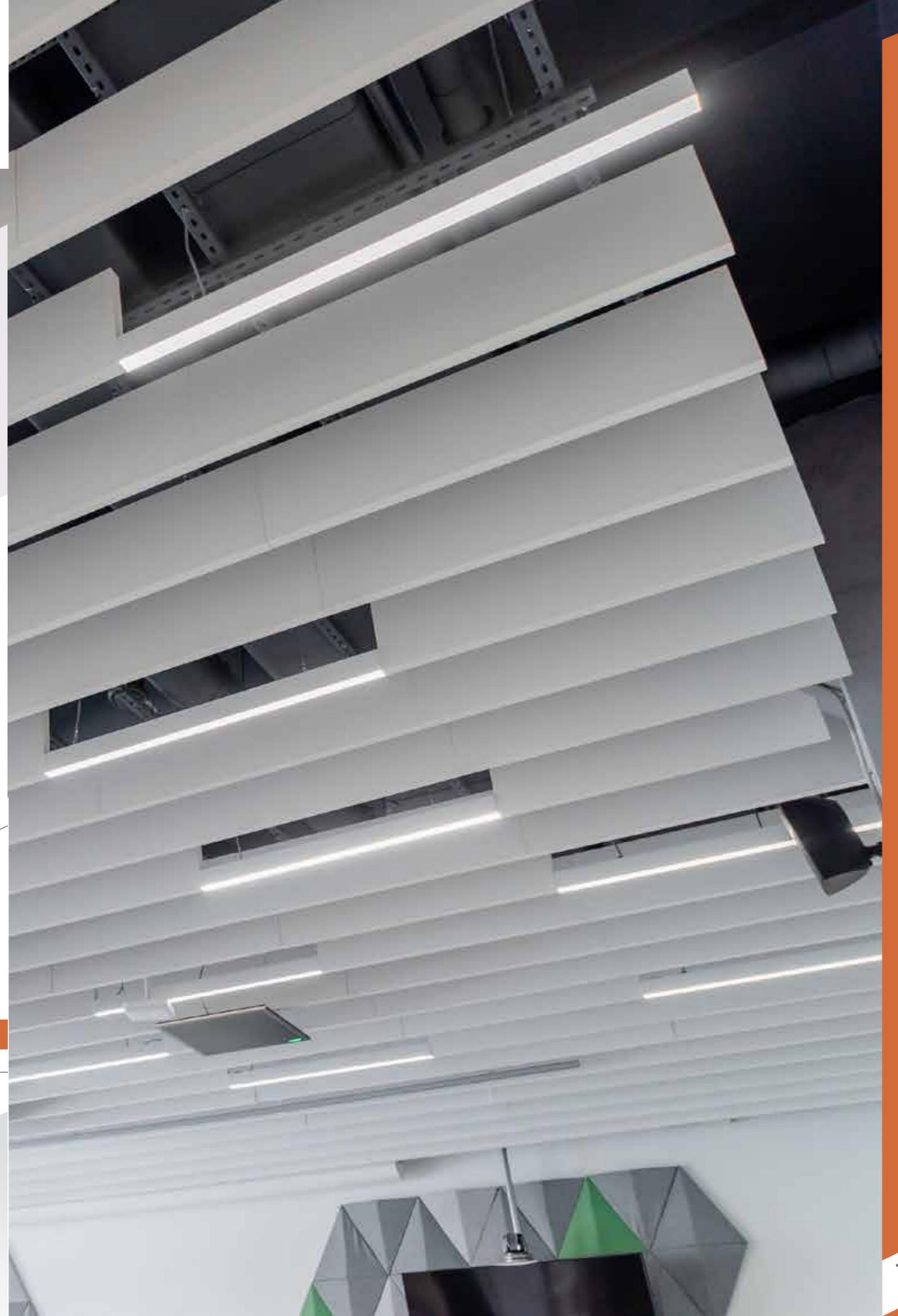
\* Calculated to ASTM C 423-01

## FEATURES & BENEFITS

- An elegant acoustic solution made from stone wool for any space
- Creates spacing in ceiling designs.
- Louna™ Baffle is a vertical hanging acoustic board encapsulated edges.
- Soft Fiber substrate with monolithic visual reduces installation time.
- Improved acoustic properties at exposed workplaces with NRC values of up to 0.90 (depending on baffle spacing from each other).
- Can accommodate existing elements such as lighting and air conditioning.
- Allows chilled beams or thermal mass heating to function as intended.
- Available in custom sizes and colors upon request.

## APPLICATIONS

- Hotels
- Leisure centers
- Restaurants and cafes
- Open-plan areas
- Transportation (airports, bus terminals and train stations)
- Convention halls and concourses



## LOUNA™ BAFFLE



Consists of a stainless-steel String dropping from the soffit and a Spiral Anchor (Spring) that is fixed on the tiles through helicoidal rotation. The String is adjustable to suit different plenum heights. The Spring is designed to safely hold the tile weight of a floated ceiling.

**Materials Classification** Stainless Steel 1.5mm wire diameter with breaking force of 2.10 KN

**Product Specs** Suspension Rope with Cable Gripper & Hook dia 1.5mm

**Spiral Anchor** dia 22mm

**ASTM & Code Standards** Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic.  
Stainless Steel Wire that exceeds design load requirements of ASTM C635

Spiral Anchor dia 22mm	Cable Gripper with Hook	Wire Rope 1.5mm
Connecting Guiding Pin (optional)	(Option 2) Donn® Grid Suspension System	Main T Clip 25mm

Louna™ Baffle Ceiling meets the specifications in accordance with ASTM E1264.

### Materials Classification

Type: XX,  
Pattern: G

### Substrate and Surface Finish

Stone Wool substrate laminated with prepainted fiberglass scrim and back fiberglass tissue

**Thickness**  
40mm, 50mm

**Size**  
200x600mm, 200x1200mm,  
200x1800mm, 200x2400mm,  
300x600mm, 300x1200mm,  
300x1800mm, 300x2400mm,  
600x600mm, 600x1200mm,  
600x1800mm, 600x2400mm

**Edge Detail Trim**  
Square blade

### Fixing

Steel String dropping from the soffit and a Spiral Anchor (Spring) that is fixed on the baffle through helicoidal rotation. The String is adjustable to suit different plenum heights. The Spring is designed to safely hold the tile weight of a floated ceiling.

### Density

120-140 kg/m<sup>3</sup>

### Noise Reduction Coefficient [NRC]

up to 0.90 depending on baffle thickness and spacing

### Mold Prevention Application as per ASTM D3273

Rate 10

### Light Reflectance Coefficient [LR]

0.88

### Color

White, other RAL colors on request

### Surface Burning Characteristics as per ASTM E84

Class A

### Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IE Credit 9

### Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface.

### Additional Information

- USG Middle East's Skynest Louna™ Baffles are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- Custom sizes rather than the system configuration table. Shape and color options are available upon request. Consult your USG Middle East sales office.

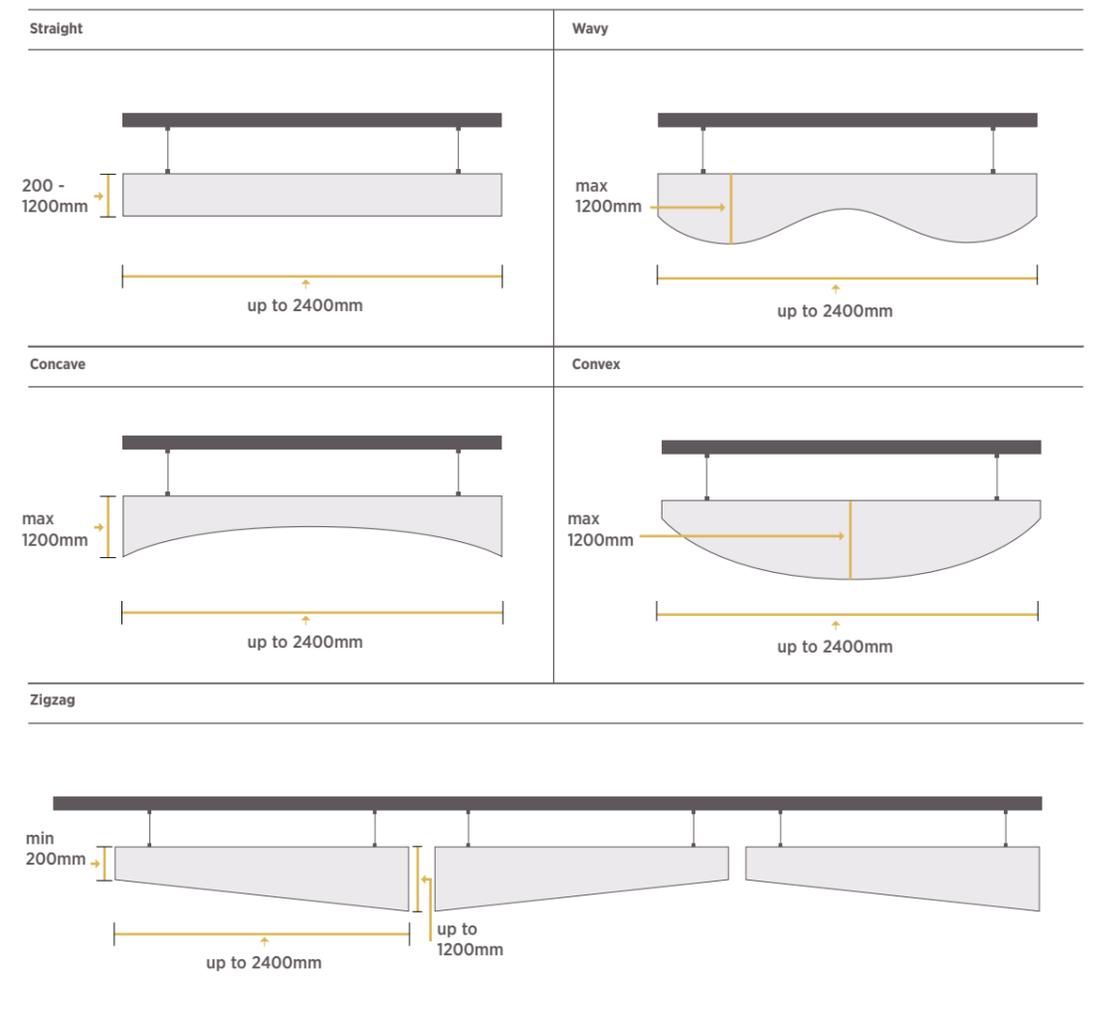


Louna™ Baffle Edge

## LOUNA™ BAFFLE



### SYSTEMS CONFIGURATIONS\*



\* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other configurations are available upon request.

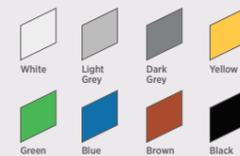


# LOUNA™ ELEGANT



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### FINISH OPTIONS



Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm		0.60	0.85	0.85	0.95	1.0	1.0	0.90
19mm-R**		0.55	0.80	0.75	0.90	1.0	1.0	0.85
25mm		0.65	0.95	0.90	1.0	1.0	1.0	0.95
25mm-R**		0.60	0.80	0.80	1.0	1.0	1.0	0.90
25mm-AF***		0.40	0.70	0.85	1.0	1.0	1.0	0.90
38mm-AF***		0.45	0.65	0.80	0.95	0.95	0.95	0.85

\* Calculated to ASTM C 423-01

\*\* Reveal Edge

\*\*\* Aluminium Foil

### FEATURES & BENEFITS

- Top of the line ceiling panel made of stone wool substrate. Monolithic visual reduces installation time.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- Excellent combination of noise reduction (up to NRC-0.95) and sound attenuation (up to CAC-39).
- High light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ Integrated ceiling system.

### APPLICATIONS

- Executive offices
- Educational facilities
- Lobbies and waiting areas
- Sports facilities
- Recording studios
- Restaurants
- Receptions and offices
- Open-plan areas



LOUNA™ ELEGANT



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold / Mildew & Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
SQ	LC669	600*600*19	0.90	25	88%		Class A	47%	N/A	\$\$\$
	LC229	610*610*19								
	LC6625	600*600*25	0.95	26	88%		Class A	47%	N/A	\$\$\$
	LC2225	610*610*25								
	LC3225	300*1200*25	0.90	26	88%		Class A	47%	N/A	\$\$\$\$
	LC1425	310*1220*25								
	LC6625-AF*	600*600*25	0.90	35	88%		Class A	47%	N/A	\$\$\$\$
LC2225-AF*	610*610*25									
LC6638-AF*	600*600*38	0.85	39	88%		Class A	47%	N/A	\$\$\$\$	
LC2238-AF*	610*610*38									
SL	LCR669	600*600*19	0.85	27	88%		Class A	47%	N/A	\$\$\$\$
	LCR229	610*610*19								
	LCR6625	600*600*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR2225	610*610*25								
	LCR3225	300*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
LCR1425	310*1220*25									
LCR6225	600*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$	
LCR2425	610*1220*25									
FL	LCRF669	600*600*19	0.85	27	88%		Class A	47%	N/A	\$\$\$\$
	LCRF229	610*610*19								
	LCRF6625	600*600*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCRF2225	610*610*25								
	LCRF6225	600*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
LCRF2425	610*1220*25									
LCRF3225	300*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$	
LCRF1425	310*1220*25									
D-BESK	LCRFDC669	600*600*19	0.85	28	88%		Class A	47%	N/A	\$\$\$\$\$
	LCRFDC6625	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$
S-BESK	LCDSC6625	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$
BESK	LCFC669	600*600*19	0.85	28	88%		Class A	47%	N/A	\$\$\$\$\$
	LCFC225	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$

\*Aluminium Foil  
\*\* To ASTM E84

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXLT SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge
DX/DXL D-BESK	DX/DXL S-BESK	DX/DXL BESK Edge			

LOUNA™ ELEGANT



SPECIFICATION DETAILS

Louna™ Elegant Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,  
Pattern: G

Substrate and Surface Finish

Stone Wool substrate laminated with pre-painted fiberglass scrim and back fiberglass tissue

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm,  
300 x 1200mm, 310 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]  
Concealed [D-BESK, S-BESK, BESK]

Weight

Square:  
19mm: 2.28 kg/m<sup>2</sup>  
25mm: 3 kg/m<sup>2</sup>  
38mm: 4.55 kg/m<sup>2</sup>

Reveal [SL, FL]:

19mm: 2.85 kg/m<sup>2</sup>  
25mm: 3.75 kg/m<sup>2</sup>

Concealed [D-BESK, S-BESK, BESK]:

19mm: 3.13 kg/m<sup>2</sup>  
25mm: 4.12 kg/m<sup>2</sup>

Noise Reduction Coefficient [NRC]

[0.85] [0.90] [0.95]

Ceiling Attenuation Class [CAC]

[25 - 39 dB]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.88

Color

Standard White similar to RAL 9016.  
Other colors are available upon request

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

λ = 0.036 W/m<sup>2</sup>K

Washability / Scrubbability as per ASTM

D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# LOUNA™ ELITE



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

### FINISH OPTIONS



White

### FEATURES & BENEFITS

- Stone Wool substrate with stylish monolithic white surface and high performance mineral fleece membrane on the backside.
- Exceptional sound absorption with NRC values up to 1.0.
- Sanded surface finish with high light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Moisture resistance to withstand severe conditions when used with DONN® brand suspension system.
- Eco-friendly mineral wool product made from natural stone.
- Washable & scrubbable finish.

### APPLICATIONS

- Open-plan offices
- Offices with indirect lighting
- Restaurants and cafes
- Media room
- Conference facilities
- Reception areas
- Libraries

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	19mm	0.60	0.95	0.85	0.95	1.0	1.0	1.0
25mm	0.60	1.0	0.90	1.0	1.0	1.0	1.0	1.0

\*Calculated to ASTM C 423-01

### TABLE OF PERFORMANCE

## LOUNA™ ELITE



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold/Mildew & Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost
SQ	LEC669	600*600*19	0.95	25	88%		Class A	47%	N/A	\$\$\$
	LEC229	610*610*19								
	LEC629	600*1200*19	0.95	25	88%		Class A	47%	N/A	\$\$\$
	LEC249	610*1220*19								
	LEC6625	600*600*25	1.0	26	88%		Class A	47%	N/A	\$\$\$\$
	LEC2225	610*610*25								
SL	LECR669	600*600*19	0.90	27	88%		Class A	47%	N/A	\$\$\$\$
	LECR229	610*610*19								
	LECR629	600*1200*19	0.90	27	88%		Class A	47%	N/A	\$\$\$\$
	LECR249	610*1220*19								
	LECR6625	600*600*25	0.95	28	88%		Class A	47%	N/A	\$\$\$\$
	LECR2225	610*610*25								
FL	LECRF669	600*600*19	0.90	27	88%		Class A	47%	N/A	\$\$\$\$
	LECRF229	610*610*19								
	LECRF629	600*1200*19	0.90	27	88%		Class A	47%	N/A	\$\$\$\$
	LECRF249	610*1220*19								
	LECRF6625	600*600*25	0.95	28	88%		Class A	47%	N/A	\$\$\$\$
	LECRF2225	610*610*25								
	LECRF6225	600*1200*25	0.95	28	88%		Class A	47%	N/A	\$\$\$\$
	LECRF2425	610*1220*25								

\* To ASTM E84

### GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXLT SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge

### SPECIFICATION DETAILS

Louna™ Elite Acoustical Ceiling meets specifications in accordance with ASTM E1264.

#### Materials Classification

Type: XX,  
Pattern: E, G

#### Substrate and Surface Finish

Stone Wool substrate finished with factory applied painted fiberglass scrim and back fiberglass tissue

#### Thickness

19mm, 25mm

#### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

#### Edge Detail Trim

Square, Reveal [SL, FL]

#### Weight

Square:  
19mm: 2.28 kg/m<sup>2</sup>  
25mm: 3 kg/m<sup>2</sup>

#### Reveal [SL, FL]:

19mm: 2.85 kg/m<sup>2</sup>  
25mm: 3.75 kg/m<sup>2</sup>

#### Noise Reduction Coefficient [NRC]

[0.90] [0.95] [1.0]

#### Ceiling Attenuation Class [CAC]

[25 - 28 dB]

#### Mold Prevention Application as per ASTM D3273

Rate 10

#### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

#### Light Reflectance Coefficient [LR]

0.88

#### Color

Standard White similar to RAL 9016. Other colors are available upon request

#### Surface Burning Characteristics as per ASTM E84

Class A

#### Thermal Conductivity

λ = 0.036 W/m\*K

#### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

#### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# LOUNA™ NATURAL



VISIT USGME.COM TO ORDER SAMPLES

### FINISH OPTIONS



White



Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.60	0.85	0.80	0.95	1.0	1.0	1.0
19mm	0.60	0.90	0.85	1.0	1.0	1.0	1.0	0.95

\*Calculated to ASTM C 423-01

### FEATURES & BENEFITS

- Specially engineered for cost-effective commercial projects that require improved sound absorption and a quality aesthetic look.
- Stone Wool substrate with monolithic white surface and mineral fleece membrane on the backside.
- High sound absorption with NRC values up to 0.95.
- High light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Moisture resistant to withstand severe conditions when used with DONN® brand suspension system.
- Eco-friendly mineral wool product made from natural stone.
- Washable & scrubbable finish.

### APPLICATIONS

- Commercial offices
- Warehouses and parking lots
- Offices with indirect lighting
- Restaurants and cafes
- Schools
- Reception areas
- Libraries

### TABLE OF PERFORMANCE

## LOUNA™ NATURAL



Edge Detail*	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold/Mildew & Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
			NRC	CAC	Light Reflectance	Anti-Mold/Mildew & Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
SQ	LNC665	600*600*15	0.90	-	88%	✓	Class A	47%	N/A	\$\$
	LNC225	610*610*15				✓				
	LNC625	600*1200*15	0.90	-	88%	✓	Class A	47%	N/A	\$\$
	LNC245	610*1220*15				✓				
	LNC669	600*600*19	0.95	25	88%	✓	Class A	47%	N/A	\$\$
	LNC229	610*610*19				✓				
	LNC629	600*1200*19	0.95	25	88%	✓	Class A	47%	N/A	\$\$
	LNC249	610*1220*19				✓				

\* Other edge details are available upon request and subject to minimum order quantity

\*\* To ASTM E84

### GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge

### SPECIFICATION DETAILS

Louna™ Natural Acoustical Ceiling meets specifications in accordance with ASTM E1264.

#### Materials Classification

Type: XX,  
Pattern: G

#### Substrate and Surface Finish

Stone Wool substrate laminated with prepainted fiberglass scrim and back fiberglass tissue

#### Thickness

15mm, 19mm

#### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

#### Edge Detail Trim

Standard, Square.  
Other edges are available upon request

#### Weight

15mm: 1.8 kg/m<sup>2</sup>  
19mm: 2.28 kg/m<sup>2</sup>

#### Noise Reduction Coefficient [NRC]

[0.90] [0.95]

#### Ceiling Attenuation Class [CAC]

[25 dB]

#### Mold Prevention Application as per ASTM D3273

Rate 10

#### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

#### Light Reflectance Coefficient [LR]

0.88

#### Color

Standard White similar to RAL 9016.  
Other colors are available upon request

#### Surface Burning Characteristics as per ASTM E84

Class A

#### Thermal Conductivity

λ = 0.036 W/m<sup>2</sup>K

#### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

#### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# LOUNA™ HYGIENE



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### FINISH OPTIONS



White



Absorption Coefficient	Frequency, Hz						
	125	250	500	1000	2000	4000	NRC*
19mm	0.60	0.85	0.85	0.95	1.0	1.0	0.90
19mm-R**	0.55	0.80	0.75	0.90	1.0	1.0	0.85
25mm	0.65	0.95	0.90	1.0	1.0	1.0	0.95
25mm-R**	0.60	0.80	0.80	1.0	1.0	1.0	0.90
25mm-AF***	0.40	0.70	0.85	1.0	1.0	1.0	0.90
38mm-AF***	0.45	0.65	0.80	0.95	0.95	0.95	0.85

\* Calculated to ASTM C 423-01  
 \*\* Reveal Edge  
 \*\*\* Aluminium Foil

### FEATURES & BENEFITS

- Louna™ Hygiene is ISO 4 according to the norm ISO 14644-1 : 2015.
- Superb ceiling panel made of stone wool substrate with water repellent facing membrane designed to be durable and safe with common disinfectants and sealed edges.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- For healthcare facilities this option provides an excellent combination of noise reduction (up to NRC-0.95) and sound attenuation (up to CAC-39) to improve patient recovery.
- High light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Recommended to be used with AX grid for hospitals in high-humidity or wet-cleaned areas.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ Integrated ceiling system.

### APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Laboratories
- Laundry areas
- Lobbies



LOUNA™ HYGIENE

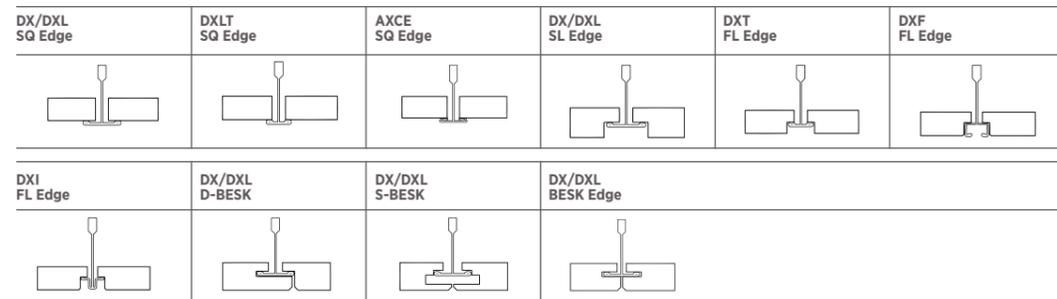


TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold/Mildew & Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
			NRC	CAC	Light Reflectance	Anti-Mold/Mildew & Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
SQ	LC669H	600*600*19	0.90	25	88%	✓	Class A	47%	N/A	\$\$\$
	LC229H	610*610*19								
	LC6625H	600*600*25	0.95	26	88%	✓	Class A	47%	N/A	\$\$\$
	LC2225H	610*610*25								
	LC3225H	300*1200*25	0.90	26	88%	✓	Class A	47%	N/A	\$\$\$\$
	LC1425H	310*1220*25								
	LC6625-AFH*	600*600*25	0.90	35	88%	✓	Class A	47%	N/A	\$\$\$\$
SL	LC2225-AFH*	610*610*25								
	LC6638-AFH*	600*600*38	0.85	39	88%	✓	Class A	47%	N/A	\$\$\$\$
	LC2238-AFH*	610*610*38								
	LCR669H	600*600*19	0.85	27	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCR229H	610*610*19								
	LCR6625H	600*600*25	0.90	28	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCR2225H	610*610*25								
FL	LCR3225H	300*1200*25	0.90	28	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCR1425H	310*1220*25								
	LCR6225H	600*1200*25	0.90	28	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCR2425H	610*1220*25								
	LCRF669H	600*600*19	0.85	27	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCRF229H	610*610*19								
	LCRF6625H	600*600*25	0.90	28	88%	✓	Class A	47%	N/A	\$\$\$\$
D-BESK	LCRF2225H	610*610*25								
	LCRF6225H	600*1200*25	0.90	28	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCRF2425H	610*1220*25								
S-BESK	LCRF3225H	300*1200*25	0.90	28	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCRF1425H	310*1220*25								
	LCRFDC669H	600*600*19	0.85	28	88%	✓	Class A	47%	N/A	\$\$\$\$
BESK	LCRFDC6625H	600*600*25	0.90	29	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCFC669H	600*600*19	0.85	28	88%	✓	Class A	47%	N/A	\$\$\$\$
	LCFC225H	600*600*25	0.90	29	88%	✓	Class A	47%	N/A	\$\$\$\$

\*Aluminium Foil  
\*\* To ASTM E84

GRID PROFILE OPTIONS



LOUNA™ HYGIENE



SPECIFICATION DETAILS

Louna™ Hygiene Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,  
Pattern: G

Substrate and Surface Finish

Stone Wool substrate laminated with pre-painted fiberglass scrim with sealed edges and water repellent membrane and back fiberglass tissue

Water Absorbance

Repellency membrane that resists mild water drippage for up to 2 hrs

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm,  
300 x 1200mm, 310 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]  
Concealed [D-BESK, S-BESK, BESK]

Weight

Square:  
19mm: 2.28 kg/m<sup>2</sup>  
25mm: 3 kg/m<sup>2</sup>  
38mm: 4.55 kg/m<sup>2</sup>

Reveal [SL, FL]:

19mm: 2.85 kg/m<sup>2</sup>  
25mm: 3.75 kg/m<sup>2</sup>  
Concealed [D-BESK, S-BESK, BESK]:  
19mm: 3.13 kg/m<sup>2</sup>  
25mm: 4.12 kg/m<sup>2</sup>

Noise Reduction Coefficient [NRC]

[0.85] [0.90] [0.95]

Ceiling Attenuation Class [CAC]

[25 - 39 dB]

Clean Room Classification as per ISO

14644-1

ISO 4

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.88

Color

Standard White similar to RAL 9016.

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

λ = 0.036 W/m\*K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

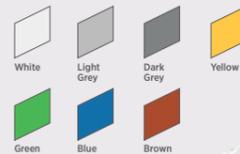
EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# LOUNA™ HI CAC



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### FINISH OPTIONS



### FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Specifically engineered when high acoustic performance is needed to satisfy high-frequency performance criteria.
- Hybrid ceiling panel is made of soft fiber substrate with wet-felted mineral fiber substrate on the rear side. Finished with painted fiberglass scrim and sealed edge.
- Excellent combination of noise reduction (up to NRC-0.90 for 53mm) and sound attenuation (up to CAC-42).
- Impact & scratch resistant finish scrim.
- Available in different colors.

### APPLICATIONS

- Recording studios and radio stations
- Music and sports hall
- Industrial premises
- Convention halls and concourses
- Restaurants
- Sports facilities

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	43mm	0.45	0.50	0.85	1.0	1.0	1.0	0.85
	53mm	0.40	0.50	0.90	1.0	1.0	1.0	0.90

\*Calculated to ASTM C 423-01

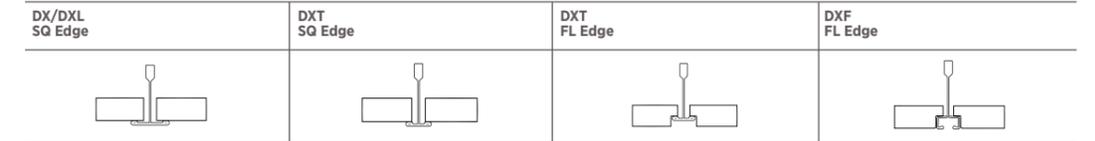
### TABLE OF PERFORMANCE

## LOUNA™ HI CAC



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	LCX6643-MF	600*600*43	0.85	42	88%			40%	N/A	\$\$\$\$
	LCX2243-MF	610*610*43								
	LCX6243-MF	600*1200*43	0.85	42	88%			40%	N/A	\$\$\$\$
	LCX2443-MF	610*1220*43								
	LCXX6253-MF	600*600*53	0.90	41	88%			40%	N/A	\$\$\$\$
	LCXX2453-MF	610*610*53								
FL	LCXRF6643-MF	600*600*43	0.85	42	88%			40%	N/A	\$\$\$\$
	LCXRF2243-MF	610*1220*43								
	LCXRF6243-MF	600*1200*43	0.85	42	88%			40%	N/A	\$\$\$\$
	LCXRF2443-MF	610*1220*43								
	LCXXRF6253-MF	600*600*53	0.90	41	88%			40%	N/A	\$\$\$\$
	LCXXRF2453-MF	610*1220*53								
	LCXXRF6653-MF	600*1200*53	0.90	41	88%			40%	N/A	\$\$\$\$
	LCXXRF2253-MF	610*1220*53								

### GRID PROFILE OPTIONS



### SPECIFICATION DETAILS

Louna™ Hi CAC Acoustical Ceiling meets the specifications in accordance with ASTM E1264.

#### Materials Classification

Type: XX,  
Pattern: G

#### Substrate and Surface Finish

Soft fiber substrate attach with wetfelted mineral fiber substrate on the rear side, and laminated with factory-applied painted fiberglass scrim on the surface

#### Thickness

43mm, 53mm

#### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

#### Edge Detail Trim

Square, Reveal [FL]

#### Weight

43mm [8.85 kg/m<sup>2</sup>],  
53mm [12 kg/m<sup>2</sup>]

#### Noise Reduction Coefficient [NRC]

[0.85] [0.90]

#### Ceiling Attenuation Class [CAC]

[41 - 42 dB]

#### Mold Prevention Application as per ASTM

D3273

Rate 10

#### Humidity Resistance

Maximum 99% RH / 40°C

#### Light Reflectance Coefficient [LR]

0.88

#### Color

Standard White similar to RAL 9016.

Other colors are available upon request

#### Surface Burning Characteristics as per ASTM E84

Class A

#### Thermal Conductivity:

Fiber glass:  $\lambda = 0.036$  W/m<sup>2</sup>K

Mineral fiber:  $\lambda = 0.057$  W/m<sup>2</sup>K

#### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

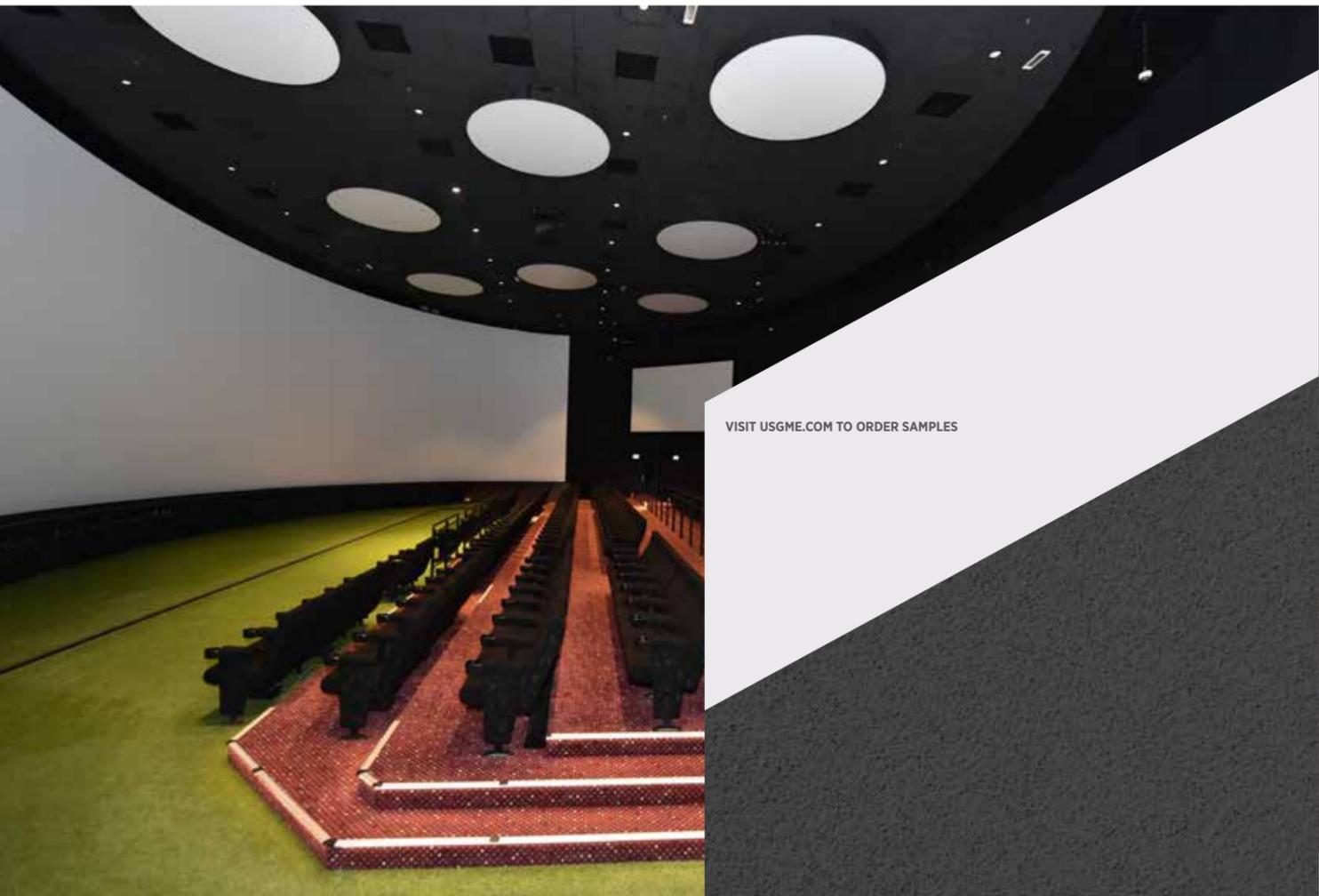
#### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |

MR Credit 6 IEQ Credit 3 | IEQ Credit 3.2 |

IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# LOUNA™ HI CAC BLACK



VISIT USGME.COM TO ORDER SAMPLES

## FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Offered in black to meet the growing demand from cinemas and theaters.
- Specifically engineered when high acoustic performance is needed to satisfy high-frequency performance criteria.
- Hybrid ceiling panel is made of soft fiber substrate with wet-felted mineral fiber substrate on the rear side. Finished with painted fiberglass scrim and sealed edge.
- Excellent combination of noise reduction (up to NRC-0.90 for 53mm) and sound attenuation (up to CAC-42).
- Impact & scratch resistant finish scrim.

## APPLICATIONS

- Cinemas and operating theatres
- TV stations
- Recording studios and radio stations
- Music and sports hall
- Bowling alleys
- Industrial premises
- Convention halls and concourses
- Restaurants

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
43mm		0.45	0.50	0.85	1.0	1.0	1.0	0.85
53mm		0.40	0.50	0.90	1.0	1.0	1.0	0.90

\* Calculated to ASTM C 423-01

## TABLE OF PERFORMANCE

### LOUNA™ HI CAC BLACK



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	LCX6643B-MF	600*600*43	0.85	42	-			40%	N/A	\$\$\$\$
	LCX2243B-MF	610*610*43								
	LCX6243B-MF	600*1200*43	0.85	42	-			40%	N/A	\$\$\$\$
	LCX2443B-MF	610*1220*43								
	LCXX6653B-MF	600*600*53	0.90	41	-			40%	N/A	\$\$\$\$
	LCXX2253B-MF	610*610*53								
	LCXX6253B-MF	600*1200*53	0.90	41	-			40%	N/A	\$\$\$\$
	LCXX2453B-MF	610*1220*53								

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge

## SPECIFICATION DETAILS

Louna™ Hi CAC Black Acoustical Ceiling meets the specifications in accordance with ASTM E1264.

### Materials Classification

Type: XX,  
Pattern: G

### Substrate and Surface Finish

Soft fiber substrate attach with wetfelted mineral fiber substrate on the rear side, and laminated with factory-applied painted fiberglass scrim on the surface

### Thickness

43mm, 53mm

### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square

### Weight

43mm [8.85 kg/m<sup>2</sup>],  
53mm [12 kg/m<sup>2</sup>]

### Noise Reduction Coefficient [NRC]

[0.85] [0.90]

### Ceiling Attenuation Class [CAC]

[41 - 42 dB]

### Mold Prevention Application as per ASTM D3273

Rate 10

### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

### Color

Black Color similar to RAL 7021

### Surface Burning Characteristics as per ASTM E84

Class A

### Thermal Conductivity:

Fiber glass: λ = 0.036 W/m<sup>2</sup>K  
Mineral fiber: λ = 0.057 W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# HALCYON™ CANOPIES

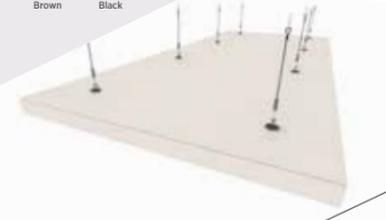


VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

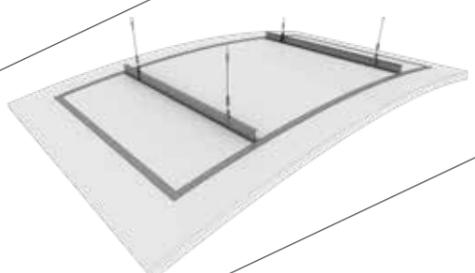
**FINISH OPTIONS**

 White	 Light Grey	 Dark Grey	 Yellow
 Green	 Blue	 Brown	 Black

**FLAT SYSTEM**



**CURVED SYSTEM**



Frequency, Hz	125	250	500	1000	2000	4000	NRC*
40mm	0.60	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>

\* Calculated to ASTM C 423-01

## FEATURES & BENEFITS

- Fiberglass substrate with monolithic visual reduces installation time.
- Available in flat and curved system configurations.
- Exceptional Sound Absorption with NRC values up to 1.0.
- High Light Reflectance (LR-0.88) reduces light fixture and energy use.
- Washable & scrubbable finish.
- Ideal for providing both visual accents and acoustical control.
- Easy to install.
- ClimaPlus™ 30-year limited system warranty against visible sag, mold and mildew.

## APPLICATIONS

- Open-plenum areas
- Convention halls and concourses
- Reception and lobby areas
- Offices with indirect lighting
- Media rooms
- Libraries
- Restaurants
- Retail
- Hospitality



## HALCYON™ CANOPIES



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION

### SUSPENSION SYSTEM

Consists of a stainless-steel String dropping from the soffit and a Spiral Anchor (Spring) that is fixed on the tiles through helicoidal rotation. The String is adjustable to suit different plenum heights. The Spring is designed to safely hold the tile weight of a floated ceiling.

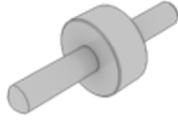
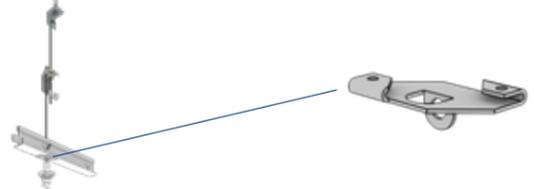
**Materials Classification** Stainless Steel 1.5mm wire diameter with breaking force of 2.10 KN

**Product Specs** Suspension Rope with Cable Gripper & Hook dia 1.5mm

**Spiral Anchor** dia 38mm

**ASTM & Code Standards** Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic.

Stainless Steel Wire that exceeds design load requirements of ASTM C635

Spiral Anchor dia 38mm	Cable Gripper with Hook	Wire Rope 1.5mm
		
Connecting Guiding Pin (optional)	(Option 2) Donn® Grid Suspension System	Main T Clip 25mm
		

### SPECIFICATION DETAILS

Halcyon™ Canopies Acoustical Ceiling meets the specifications in accordance with ASTM E1264.

#### Materials Classification

Type XII, Form 2, Pattern E & G

#### Substrate and Surface Finish

Glasswool substrate laminated with factory applied painted fiberglass scrim and back fiberglass tissue

#### Thickness

Standard: 40mm, other thicknesses are available upon request

#### Panel Arrangements

Refer to the systems configurations table

#### Edge Detail Trim

Square encapsulated

#### Weight

40mm [4.4 kg/m<sup>2</sup>]

**Noise Reduction Coefficient [NRC]** [1.0]

#### Mold Prevention Application as per ASTM

##### D3273

Rate 10

#### Humidity Resistance

Maximum 99% RH / 40°C

#### Light Reflectance Coefficient [LR]

Based on the finish color, up to 0.88

#### Color

Standard White similar to RAL 9016. Other colors are available upon request

#### Surface Burning Characteristics as per ASTM E84

Class A

#### Recycled Content

40%

#### Thermal Conductivity

$\lambda = 0.034 \text{ W/m}^2\text{K}$

#### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

#### Maintenance

Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water or a mild detergent and wipe panel surface.

#### Additional Information

- USG Middle East's Halcyon™ Canopies are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- Panels must be ordered in multiples of two.
- Custom sizes rather than the system configuration table. Shape and color options are available upon request. Consult your USG Middle East sales office.



# HALCYON™ CANOPIES

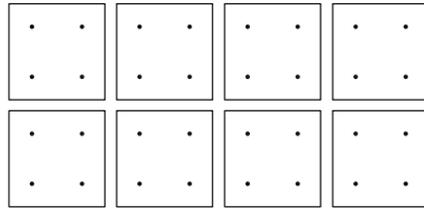
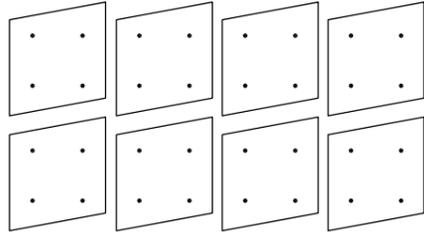
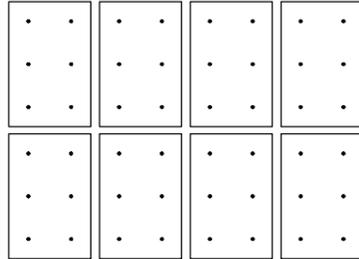
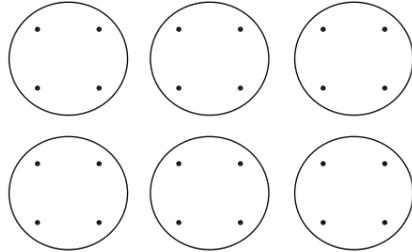
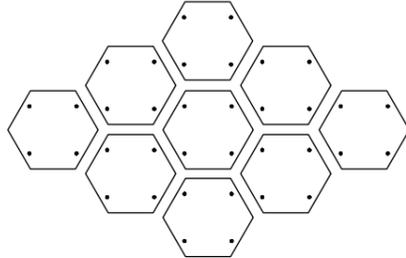
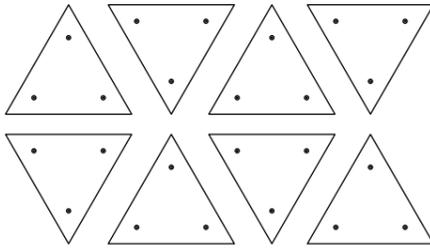
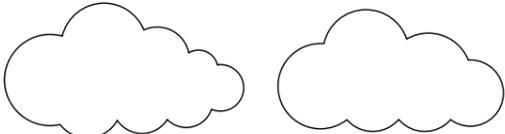
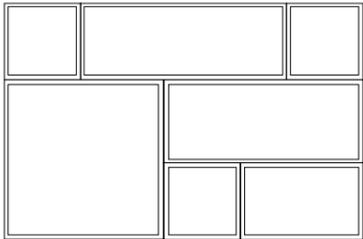


PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION

SYSTEMS CONFIGURATIONS\*

<p><b>Square</b></p> 	<p><b>Parallelogram</b></p> 
<p><b>Rectangle</b></p> 	<p><b>Circle</b></p> 
<p><b>Hexagon</b></p> 	<p><b>Triangle</b></p> 
<p><b>Arc Concave</b></p> 	<p><b>Arc Convex</b></p> 
<p><b>Cloud</b></p> 	<p><b>Box</b></p> 

# HALCYON™ CANOPIES

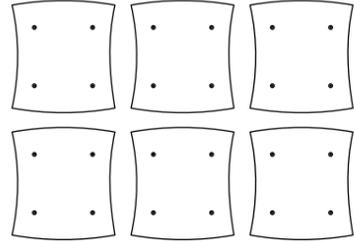
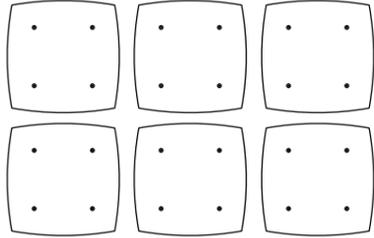
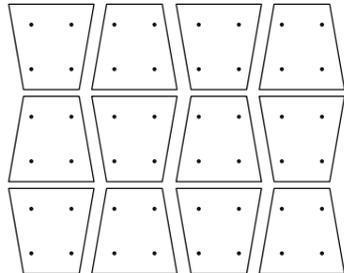
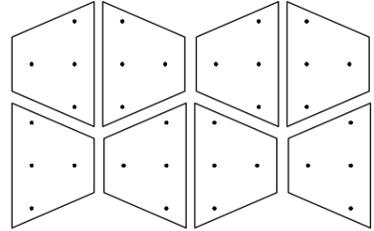


PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION

SOFT FIBER CEILING - HALCYON™ CANOPIES

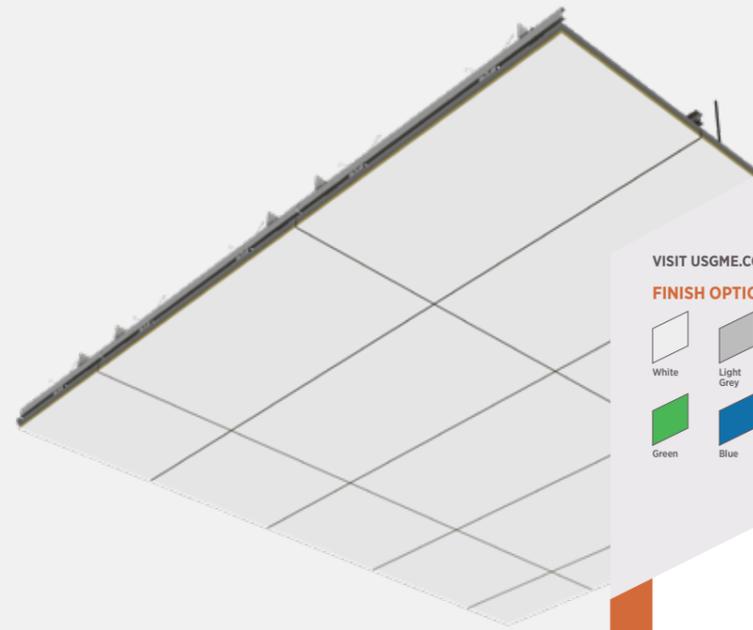
<p><b>Curved Concave</b></p> 	<p><b>Curved Convex</b></p> 
<p><b>Trapezoid 1</b></p> 	<p><b>Trapezoid 2</b></p> 

\* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other shapes are available upon request.



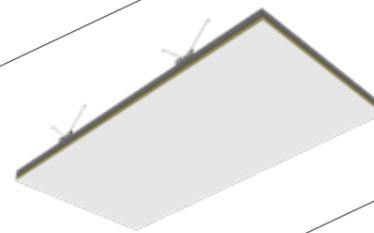
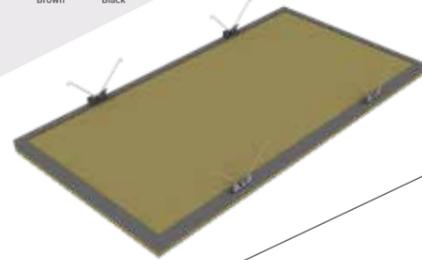
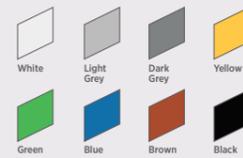
Halcyon™ Canopies Edge

# TRANQUILLE



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### FINISH OPTIONS



PANEL TOP

PANEL BOTTOM

Sound Absorption

### FEATURES AND BENEFITS

- Made of Soft fiber panels and torsion spring hanging system.
- Excellent for critical lighting applications for High Light Reflectance (0.88).
- Excellent combination of noise reduction (up to NRC-1.0) and aesthetic appearance.
- Features a concealed suspension ceiling system with many design configurations that can fit any contemporary interior design.
- All panels are demountable allowing easy access to plenum for simple maintenance.
- Configurable panel sizes, shapes and layouts allowing for design freedom.

### APPLICATIONS

- Airports
- Train stations
- Commercial spaces
- Offices
- Lounges
- Open halls
- Restaurants

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
40mm	0.60	0.90	1.0	1.0	1.0	1.0	1.0

\*Calculated to ASTM C 423-01

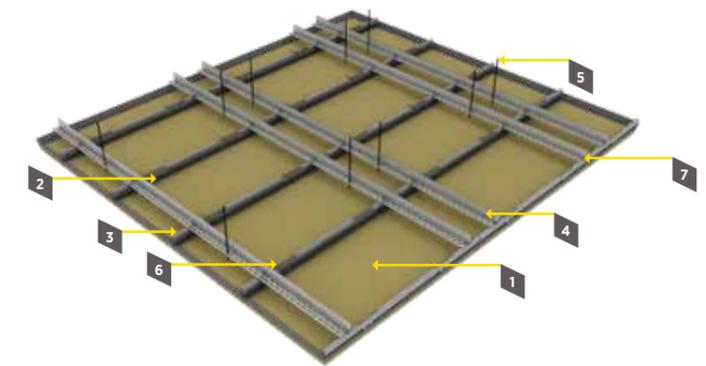
### TRANQUILLE SYSTEM COMPONENTS

### TRANQUILLE



Tranquille Panel	Hanging Profile	Tranquille Bracket
Tranquille Channel	Hanging System	Spring

### SYSTEM DRAWINGS



1 Tranquille panel 2 Tranquille Bracket 3 Tranquille Channel 4 Hanging Profile 5 Hanging system 6 Spring 7 Hex, Nuts & Washer 6mm

### SPECIFICATION DETAILS

Tranquille meets the specifications in accordance with ASTM E1264.

#### Materials Classification

Type: XX,  
Form: 2,  
Pattern: E, G

**Substrate and Surface Finish** Stone Wool substrate laminated with prepainted fiberglass scrim and back fiberglass tissue

#### Thickness

40mm

#### Weight

4.8 kg/m<sup>2</sup>

#### Noise Reduction Coefficient [NRC]

[1.0]

#### Ceiling Attenuation Class [CAC]

[33 dB]

#### Mold Prevention Application as per

ASTM D3273

Rate 10

#### Humidity Resistance

Maximum 99% RH / 40°C

#### Light Reflectance Coefficient [LR]

0.88

#### Color

Standard: White similar to RAL 9016.  
Other colors are available upon request

#### Surface Burning Characteristics as per

ASTM E84

Class A

#### Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

#### Washability / Scrubbability as per ASTM

D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

#### Relevant LEED® Credit

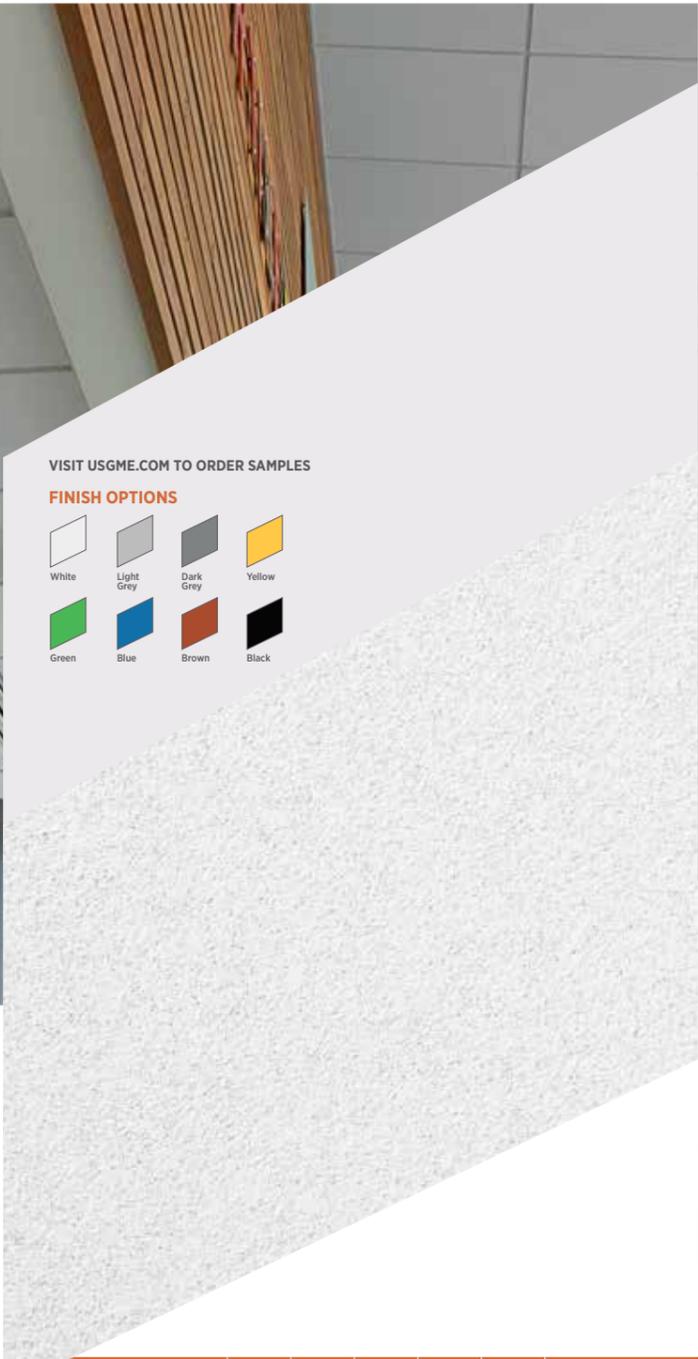
EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

#### Maintenance

Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water or a mild detergent and wipe panel surface.

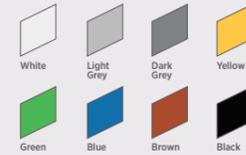
#### Additional Information

- USG Middle East's Tranquille panels are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 1-2mm. Local environmental conditions may increase this variance.
- Custom sizes and color options are available upon request. Consult your USG Middle East sales office.
- Take care during installation and handling of panels.
- Stone Wool substrate is available upon request. Consult your USG Middle East sales office.
- Different shapes as triangular, hexagonal, trapezoidal are available.



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**FINISH OPTIONS**



**FEATURES & BENEFITS**

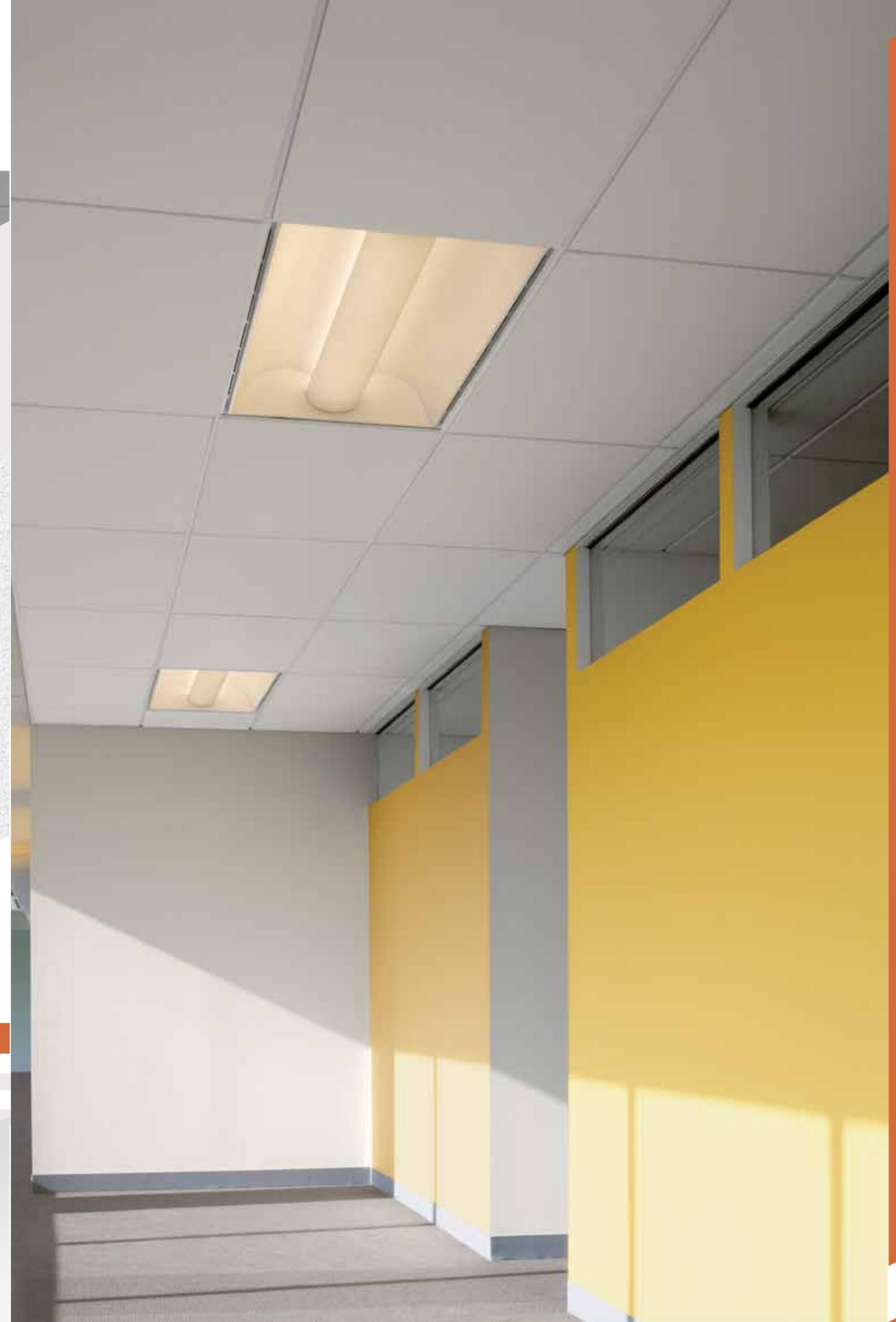
- Fiberglass substrate with monolithic visual reduces installation time.
- Exceptional sound absorption with NRC values up to 1.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- High light reflectance (LR-0.88) reduces light fixture & energy use.
- Washable & scrubbable finish.
- Available in concealed edges D-Besk & S-Besk.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ integrated ceiling System.
- Available in black for ideal application in cinemas and theaters.

**APPLICATIONS**

- Open-plan areas
- Offices with indirect lighting
- Media rooms
- Receptions & lobby areas
- Libraries
- Convention halls and concourses
- Cinemas and theaters

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm		0.50	0.90	1.0	0.90	0.95	0.90	0.95
19mm Concealed		0.65	0.85	0.80	0.95	1.0	1.0	0.95
25mm		0.40	0.90	1.0	0.95	1.0	1.0	1.0
25mm Concealed		0.75	0.85	0.85	1.0	1.0	1.0	1.0
38mm		0.60	0.90	1.0	1.0	1.0	1.0	1.0

\* Calculated to ASTM C 423-01



HALCYON™

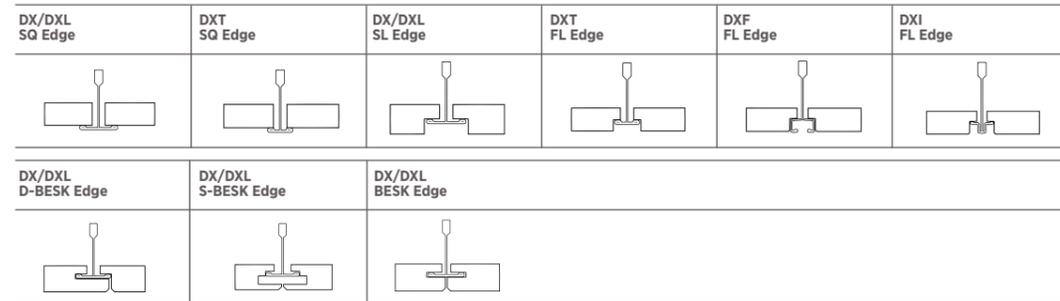


TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost	
SQ	HC669	600*600*19	0.95	24	88%		Class A	40%	N/A	\$\$\$	
	HC229	610*610*19									
	HC629	600*1200*19	0.95	24	88%		Class A	40%	N/A	\$\$\$	
	HC249	610*1220*19									
	HC6625	600*600*25	1.0	25	88%		Class A	40%	N/A	\$\$\$	
SL	HC2225	610*610*25									
	HC6638	600*600*38	1.0	31	88%		Class A	40%	N/A	\$\$\$	
	HC2238	610*610*38									
	HCR669	600*600*19	0.95	25	88%		Class A	40%	N/A	\$\$\$	
	HCR229	610*610*19									
FL	HCR629	600*1200*19	0.95	25	88%		Class A	40%	N/A	\$\$\$	
	HCR249	610*1220*19									
	HCR6625	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$	
	HCR2225	610*610*25									
	HCR6225	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$	
	HCR2425	610*1220*25									
	HCR6638	600*600*38	1.0	32	88%		Class A	40%	N/A	\$\$\$\$	
	HCR2238	610*610*38									
	D-BESK**	HCRF669	600*600*19	0.95	25	88%		Class A	40%	N/A	\$\$\$
		HCRF229	610*610*19								
S-BESK**	HCRF629	600*1200*19	0.95	25	88%		Class A	40%	N/A	\$\$\$	
	HCRF249	610*1220*19									
	HCRF6625	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$	
	HCRF2225	610*610*25									
	HCRF6225	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$	
	HCRF2425	610*1220*25									
BESK**	HCRF6638	600*600*38	1.0	32	88%		Class A	40%	N/A	\$\$\$\$	
	HCRF2238	610*610*38									
D-BESK**	HCRFDC669	600*600*19	0.95	28	88%		Class A	40%	N/A	\$\$\$\$	
	HCRFDC6625	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$	
S-BESK**	HCDSC6625	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$	
	HCFC669	600*600*19	0.95	28	88%		Class A	40%	N/A	\$\$\$\$	
BESK**	HCFC6625	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$	

\*To ASTM E84  
 \*\*Additional concealed panels configurations are available on special order: 600 x 1200, 600 x 1500, 600 x 1800 and 600 x 2400

GRID PROFILE OPTIONS



HALCYON™



SPECIFICATION DETAILS

Halcyon™ Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XII,  
 Form: 2,  
 Pattern: E, G

Substrate and Surface Finish

Glasswool substrate laminated with factory applied painted fiberglass scrim and back fiberglass tissue

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,  
 600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]  
 Concealed [D-BESK, S-BESK, BESK]

Weight

Square  
 19mm [2.1 kg/m<sup>2</sup>],  
 25mm [2.3 kg/m<sup>2</sup>],  
 38mm [4.2 kg/m<sup>2</sup>]

Reveal [SL, FL]

19mm [2.1 kg/m<sup>2</sup>],  
 25mm [2.75 kg/m<sup>2</sup>],  
 38mm [4.2 kg/m<sup>2</sup>]

Concealed [D-BESK, S-BESK, BESK]

19mm [2.65 kg/m<sup>2</sup>],  
 25mm [3.5 kg/m<sup>2</sup>]

Noise Reduction Coefficient [NRC]

[0.90] [0.95] [1.0]

Ceiling Attenuation Class [CAC]

[24 - 32 dB]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C

Light Reflectance Coefficient [LR]

0.88

Color

Standard: White similar to RAL 9016.

Other colors are available upon request

Surface Burning Characteristics as per

ASTM E84

Class A

Thermal Conductivity

λ = 0.034 W/m<sup>2</sup>K

Washability / Scrubbability as per ASTM

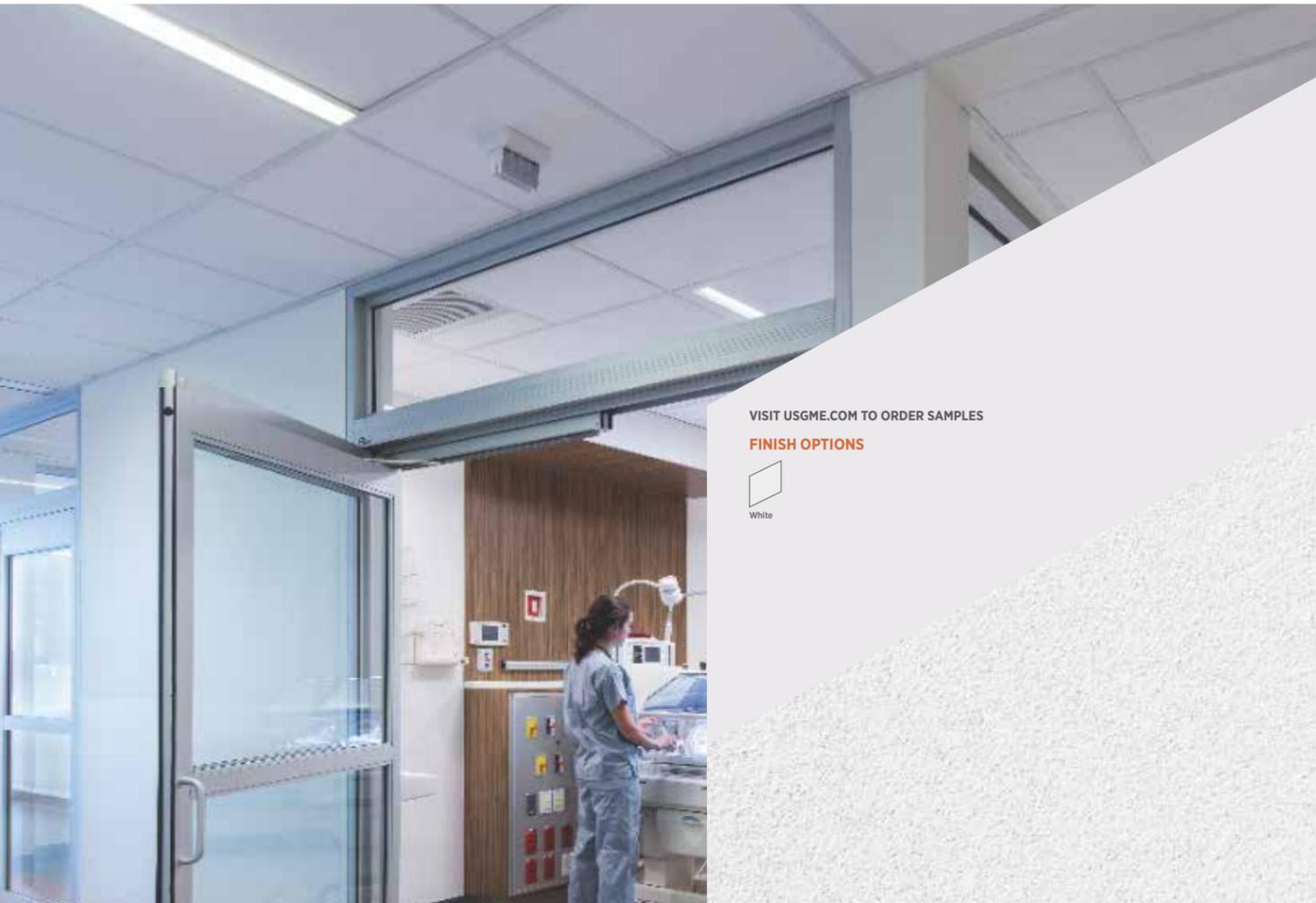
D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
 MR Credit 6 IEQ Credit 3 | IEQ Credit 3.2 |  
 IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# HALCYON™ HEALTHCARE

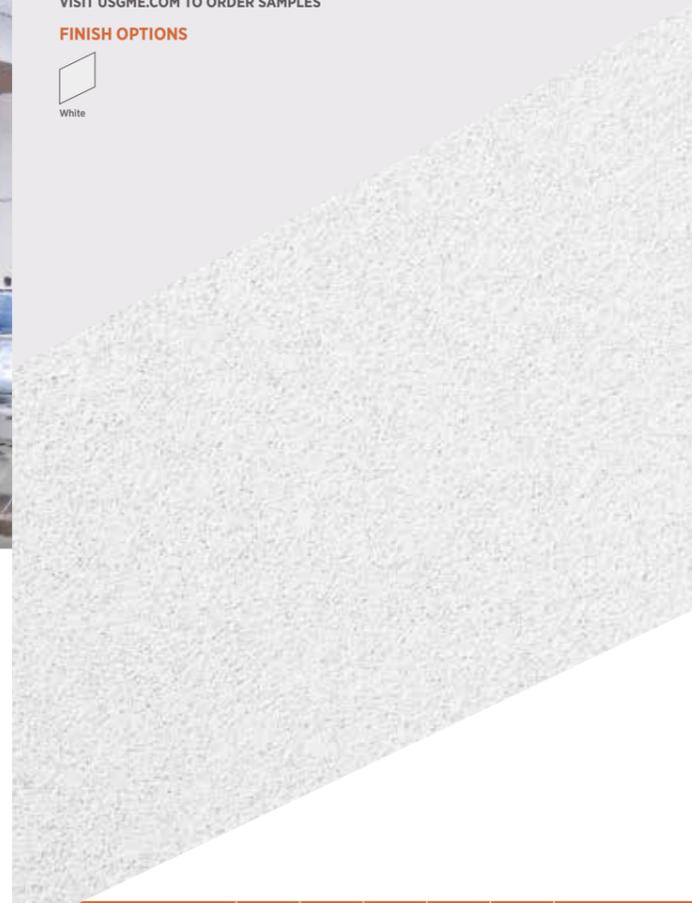


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### FINISH OPTIONS



White



Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm		0.50	0.90	1.0	0.90	0.95	0.90	0.95
19mm Concealed		0.65	0.85	0.80	0.95	1.0	1.0	0.95
25mm		0.40	0.90	1.0	0.95	1.0	1.0	1.0
25mm Concealed		0.75	0.85	0.85	1.0	1.0	1.0	1.0
38mm		0.60	0.90	1.0	1.0	1.0	1.0	1.0

\* Calculated to ASTM C 423-01

### FEATURES & BENEFITS

- Halcyon™ Healthcare is ISO 3 according to the norm ISO 14644-1 : 2015.
- Fiberglass substrate with water repellent facing membrane designed to be durable and safe with common disinfectants.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- Exceptional sound absorption with NRC values up to 1.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.
- High light reflectance (LR-0.88) reduces light fixture & energy use.
- Recommended to be used with CE grid for hospitals in high-humidity or wet-cleaned areas.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ integrated ceiling system.

### APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Laboratories
- Laundry areas
- ICU / NICU
- Pharmacies
- Lobbies
- Waiting areas
- Ware washing



## HALCYON™ HEALTHCARE



### TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost
SQ 	HC669-HC	600*600*19	0.95	24	88%		Class A	40%	N/A	\$\$\$\$
	HC229-HC	610*610*19								
	HC629-HC	600*1200*19	0.95	24	88%		Class A	40%	N/A	\$\$\$\$
	HC249-HC	610*1220*19								
	HC6625-HC	600*600*25	1.0	25	88%		Class A	40%	N/A	\$\$\$\$
	HC2225-HC	610*610*25								
	HC6225-HC	600*1200*25	1.0	25	88%		Class A	40%	N/A	\$\$\$\$
	HC2425-HC	610*1220*25								
	HC6638-HC	600*600*38	1.0	31	88%		Class A	40%	N/A	\$\$\$\$
	HC2238-HC	610*610*38								
FL 	HCRF6625-HC	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCRF2225-HC	610*610*25								
	HCRF6225-HC	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCRF2425-HC	610*1220*25								
SL 	HCR6625-HC	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCR2225-HC	610*610*25								
	HCR6225-HC	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCR2425-HC	610*1220*25								
D-BESK** 	HCRFDC669-HC	600*600*19	0.95	28	88%		Class A	40%	N/A	\$\$\$\$\$
	HCRFDC6625-HC	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$\$
S-BESK** 	HCDSC6625-HC	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$\$
BESK** 	HCFC669-HC	600*600*19	0.95	28	88%		Class A	40%	N/A	\$\$\$\$\$
	HCFC6625-HC	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$\$

### GRID PROFILE OPTIONS

DX/DXL SQ Edge	CE SQ Edge	DXLT SQ Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge
DX/DXL-SL	DX/DXL D-BESK Edge	DX/DXL S-BESK Edge	DX/DXL BESK Edge		

\*To ASTM E84

\*\*Additional concealed panels configurations are available on special order: 600 x 1200, 600 x 1500, 600 x 1800 and 600 x 2400

## HALCYON™ HEALTHCARE



### SPECIFICATION DETAILS

Halcyon™ Healthcare Acoustical Ceiling meets specifications in accordance with ASTM E1264.

**Materials Classification**  
Type: XII, Form: 2, Pattern: E, G

**Substrate and Surface Finish**  
Glasswool substrate laminated with factory applied painted fiberglass scrim and water repellent membrane, and back fiberglass tissue

**Water Absorbance**  
Repellency membrane that resists mild water drip for up to 2 hrs

**Thickness**  
19mm, 25mm, 38mm

**Size**  
600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

**Edge Detail Trim**  
Square, Reveal [SL, FL]  
Concealed [D-BESK, S-BESK, BESK]

### Weight

Square  
19mm [2.1 kg/m<sup>2</sup>],  
25mm [2.3 kg/m<sup>2</sup>],  
38mm [4.2 kg/m<sup>2</sup>]  
Reveal [SL, FL]  
19mm [2.1 kg/m<sup>2</sup>],  
25mm [2.75 kg/m<sup>2</sup>],  
Concealed [D-BESK, S-BESK, BESK]  
19mm [2.65 kg/m<sup>2</sup>],  
25mm [3.5 kg/m<sup>2</sup>]

**Noise Reduction Coefficient [NRC]**  
[0.90] [0.95] [1.0]

**Ceiling Attenuation Class [CAC]**  
[24 - 31 dB]

**Clean Room Classification as per ISO 14644-1**  
ISO 3

**Mold Prevention Application as per ASTM D3273**  
Rate 10

**Humidity Resistance**  
Maximum 99% RH / 40°C

**Light Reflectance Coefficient [LR]**  
0.88

**Color**  
White similar to RAL 9016.  
**Surface Burning Characteristics as per ASTM E84**  
Class A

**Thermal Conductivity**  
λ = 0.034 W/m<sup>2</sup>K

**Washability / Scrubbability as per ASTM D4828 & D2486**  
Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

**Relevant LEED® Credit**  
EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# HALCYON™ BLACK



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## FEATURES & BENEFITS

- Fiberglass substrate with elegant and refined acoustical facing and high performance mineral fleece membrane on the backside. Planks are fully demountable, which reduces installation time.
- Light black tile for ideal application in cinemas and theaters.
- Exceptional sound absorption with NRC values up to 1 & high acoustic sound absorption performance at low frequencies, satisfying high-performance needs for cinema construction.
- Impact & scratch resistant.
- Available in concealed planks.

## APPLICATIONS

- Cinemas and operating theatres
- Restaurants
- Convention halls and concourses
- Bowling alleys
- Conference rooms

Absorption Coefficient

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.50	0.90	1.0	0.90	0.95	0.90	0.95
19mm Concealed	0.65	0.85	0.80	0.95	1.0	1.0	0.95
25mm	0.40	0.90	1.0	0.95	1.0	1.0	1.0
25mm Concealed	0.75	0.85	0.85	1.0	1.0	1.0	1.0
38mm	0.60	0.90	1.0	1.0	1.0	1.0	1.0
50mm	0.60	0.75	0.90	1.0	1.0	1.0	0.95

\* Calculated to ASTM C 423-01

## TABLE OF PERFORMANCE

## HALCYON™ BLACK



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
SQ	HC669B	600*600*19	0.95	24	-	✓	Class A	40%	N/A	\$\$\$
	HC229B	610*610*19								
	HC629B	600*1200*19	0.95	24	-	✓	Class A	40%	N/A	\$\$\$
	HC249B	610*1220*19								
	HC6625B	600*600*25	1.0	25	-	✓	Class A	40%	N/A	\$\$\$
	HC2225B	610*610*25								
	HC6238B	600*1200*38	1.0	31	-	✓	Class A	40%	N/A	\$\$\$
	HC2438B	610*1220*38								
	HC6638B	600*600*38	1.0	31	-	✓	Class A	40%	N/A	\$\$\$
	HC2238B	610*610*38								
D-BESK**	HCE6650B	600*600*50	0.95	32	-	✓	Class A	40%	N/A	\$\$\$\$
	HCE2250B	610*610*50								
	HCE6250B	600*1200*50	0.95	32	-	✓	Class A	40%	N/A	\$\$\$\$
	HCE2450B	610*1220*50								
S-BESK**	HCDC6625B	600*600*25	1.0	30	-	✓	Class A	40%	N/A	\$\$\$\$
BESK**	HCFC669B	600*600*19	0.95	28	-	✓	Class A	40%	N/A	\$\$\$\$
	HCFC6625B	600*600*25	1.0	30	-	✓	Class A	40%	N/A	\$\$\$\$

\*To ASTM E84

\*\*Additional concealed panels configurations are available on special order: 600 x 1200, 600 x 1500, 600 x 1800 and 600 x 2400

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL D-BESK Edge	DX/DXL S-BESK Edge	DX/DXL BESK Edge

## SPECIFICATION DETAILS

Halcyon™ Black Acoustical Ceiling meets specifications in accordance with ASTM E1264.

### Materials Classification

Type: XII, Form: 2, Pattern: E, G

### Substrate and Surface Finish

Glasswool substrate laminated with factory applied painted fiberglass scrim and back fiberglass tissue

### Thickness

19mm, 25mm, 38mm, 50mm

### Size

600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square  
Concealed [D-BESK, S-BESK, BESK]

### Weight

Square

19mm [2.1 kg/m<sup>2</sup>],  
25mm [2.3 kg/m<sup>2</sup>],  
38mm [4.2 kg/m<sup>2</sup>]

Concealed [D-BESK, S-BESK, BESK]

19mm [2.65 kg/m<sup>2</sup>],  
25mm [3.5 kg/m<sup>2</sup>]

**Noise Reduction Coefficient [NRC]**  
[0.95] [1.0]

**Ceiling Attenuation Class [CAC]**  
[24 - 32 dB]

**Mold Prevention Application as per ASTM D3273**  
Rate 10

**Humidity Resistance**  
Maximum 99% RH / 40°C

### Color

Black Color similar to RAL 7021

**Surface Burning Characteristics as per ASTM E84**

Class A

### Thermal Conductivity

λ = 0.034 W/m<sup>2</sup>K

**Washability / Scrubbability as per ASTM D4828 & D2486**

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# SOFT FIBER CEILING FINISH OPTIONS

## SOFT FIBER CEILING FINISH OPTIONS



RAL9003



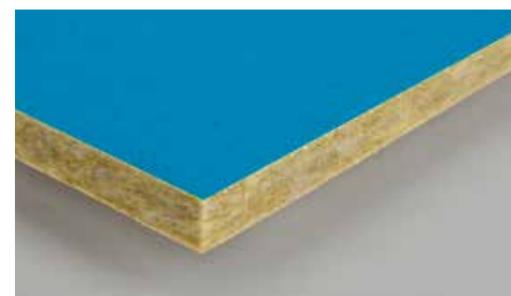
RAL9006



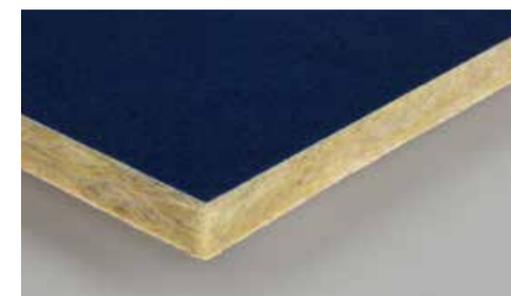
RAL7045



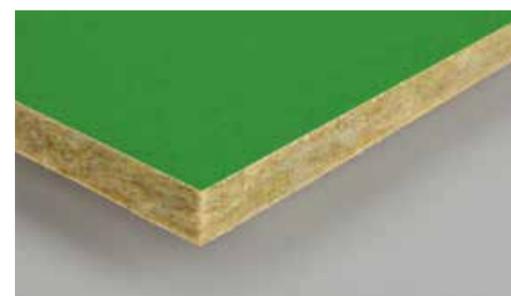
RAL1018



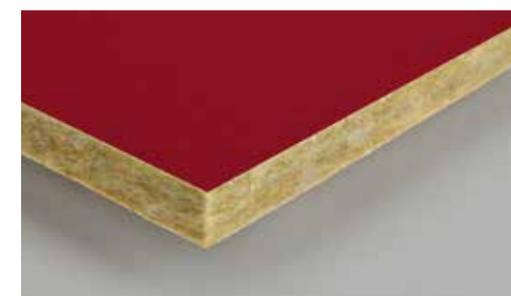
RAL5015



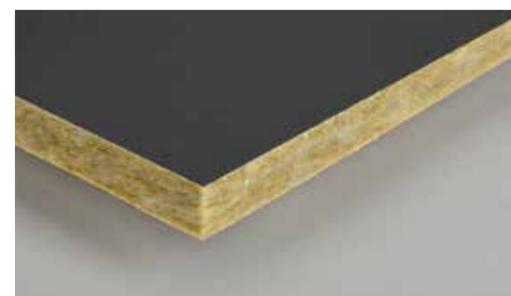
RAL5019



RAL6010



RAL3003



RAL7043



RAL7021

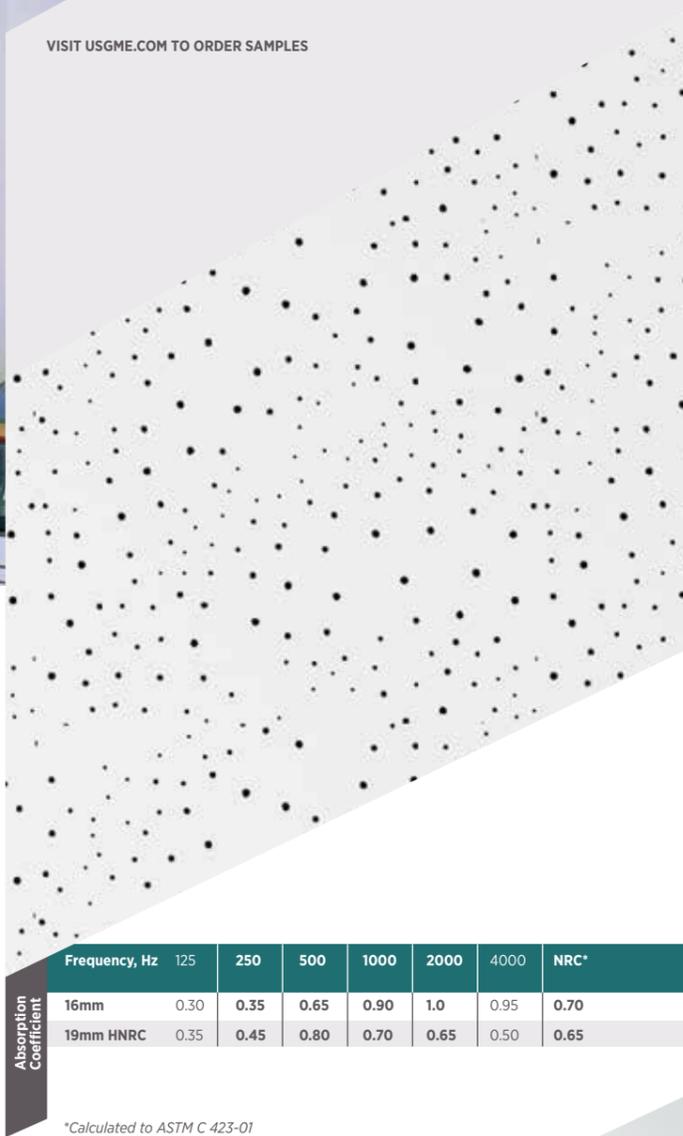


## MINERAL FIBER CEILING

# ATHENA



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## FEATURES & BENEFITS

- Accessible acoustical ceiling system with multiple random pin perforation panels.
- Perfect design solution for new-build or renovation projects.
- Available in semi-concealed and fully concealed tiles.
- Ideal for mid to high sound absorption & sound attenuation, which provides balance to room acoustics.
- Excellent for general commercial construction projects.
- Maximum cost-efficiency and design simplicity.
- Available in washable & hygienic paint upon request.
- Specially formulated in 16mm for high acoustic sound absorption specifications of the NRC 0.70.

## APPLICATIONS

- Schools
- Corridors
- Lobby areas
- Offices
- Retail Stores

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
16mm	0.30	0.35	0.65	0.90	1.0	0.95	0.70
19mm HNRC	0.35	0.45	0.80	0.70	0.65	0.50	0.65

\*Calculated to ASTM C 423-01

## TABLE OF PERFORMANCE

## ATHENA



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	ATX666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATX226	610*610*16								
	ATX626	600*1200*16	0.70	35	86%			68%	Low	\$\$\$
	ATX246	610*1220*16								
SLT	ATXR666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATXR226	610*610*16								
FLB	ATXRF666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATXRF226	610*610*16								
D-BESK	ATCRFDC669-HNRC	600*600*19	0.65	40	86%			82%	Low	\$\$\$\$
BESK	ATCC669-HNRC	600*600*19	0.65	40	86%			82%	Low	\$\$\$\$

## High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT/DXF FLB Edge	DXI FL Edge	DX/DXL D-BESK Edge

## SPECIFICATION DETAILS

Athena Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: III,  
Form: 2,  
Pattern: C

### Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

### Thickness

16mm, 19mm

### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square,  
Reveal [SLT, FLB],  
Concealed [BESK, D-BESK]

### Weight

16mm [5.45 kg/m<sup>2</sup>, Firecode®]  
19mm [6.45 kg/m<sup>2</sup>, Firecode®]

### Noise Reduction Coefficient [NRC]

[0.65] [0.70]

### Ceiling Attenuation Class [CAC]

[35 - 40 dB]

### Mold Prevention Application as per ASTM D3273

Application available upon request per ASTM D3273-1, Rate 10 per D3274

### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

0.86

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84

Class A

### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

### Thermal Conductivity

λ = 0.05 W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### Formaldehyde Classification

Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# AURATONE DESIGNER SERIES



## FEATURES & BENEFITS

- Shallow geometric square face masks the grid for a uniform look to make it appear as part of the overall ceiling design.
- 360° non-directional pattern with a fresh, clean appearance offers fast, cost-effective installation
- Face scores create illusion of a smaller-scaled ceiling system.
- Available in 4 different face styles ranging from smooth to textured.
- Low to mid-range sound attenuation. Ideal for general commercial construction.
- Fire resistant system options for life safety & protection of property.
- Easy to trim and install.

## APPLICATIONS

- Reception
- Shopping centers
- Waiting rooms
- Cafe and restaurants
- General offices
- Luxury retail stores

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm QCFSR	0.45	0.40	0.50	0.70	0.70	0.60	0.60
19mm QTPSR	0.35	0.40	0.65	0.85	0.85	0.70	0.70
19mm QOLPCR	0.30	0.45	0.70	0.70	0.70	0.60	0.65
19mm QRDSR	0.35	0.40	0.50	0.65	0.80	0.90	0.60

\* Calculated to ASTM C 423-01

## TABLE OF PERFORMANCE

## AURATONE DESIGNER SERIES



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SLT	QCFSR669	600*600*19	0.60	35	82%			25%	Low	\$\$\$
	QCFSR229	610*610*19								
	QTPSR669	600*600*19	0.70	35	84%			25%	Low	\$\$\$
	QTPSR229	610*610*19								
	QTCR669	600*600*19	0.15	35	84%			32%	Low	\$\$\$\$
	QTCR229	610*610*19								
	QTCR669 (36/15)	600*600*19	0.15	37	84%			32%	Low	\$\$\$\$
	QTCR229 (36/15)	610*610*19								
	QOLPCR669	600*600*19	0.65	37	85%			32%	Low	\$\$\$\$
	QOLPCR229	610*610*19								
	QRDSR669	600*600*19	0.60	35	83%			32%	Low	\$\$\$
	QRDSR229	610*610*19								
QRDCR669	600*600*19	0.60	35	83%			32%	Low	\$\$\$\$	
QRDCR229	610*610*19									

**Low Emissions (VOC)**  
 Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

## GRID PROFILE OPTIONS

DX/DXL  
SLT Edge



## SPECIFICATION DETAILS

**Auratone Designer Series Acoustical Ceiling** meets specifications in accordance with ASTM E1264 and EN13964.

**Materials Classification**  
 Type: III,  
 Form: 2,  
 Pattern: C, D, E, G, K

**Substrate and Surface Finish**  
 Mineral fiber substrate finished with factory-applied water-based paint

**Thickness**  
 19mm

**Size**  
 600 x 600mm, 610 x 610mm

**Edge Detail Trim**  
 Reveal [SLT]

**Weight**  
 19mm [4.5 kg/m, Regular/ ClimaPlus™]

**Noise Reduction Coefficient [NRC]**  
 [0.15] [0.60] [0.65] [0.70]

**Ceiling Attenuation Class [CAC]**  
 [35 - 37 dB]

**Mold Prevention Application as per ASTM D3273**  
 Application available upon request per ASTM D3273-1, Rate 10 per D3274

**Humidity Resistance**  
 Maximum 90% RH / 30°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**  
 [0.83 - 0.85]

**Color**  
 White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84 Class A**

**Reaction to Fire as per EN 13501-1**  
 Euroclass A2-s1, d0

**Thermal Conductivity**  
 $\lambda = 0.057 \text{ W/m}^2\text{K}$

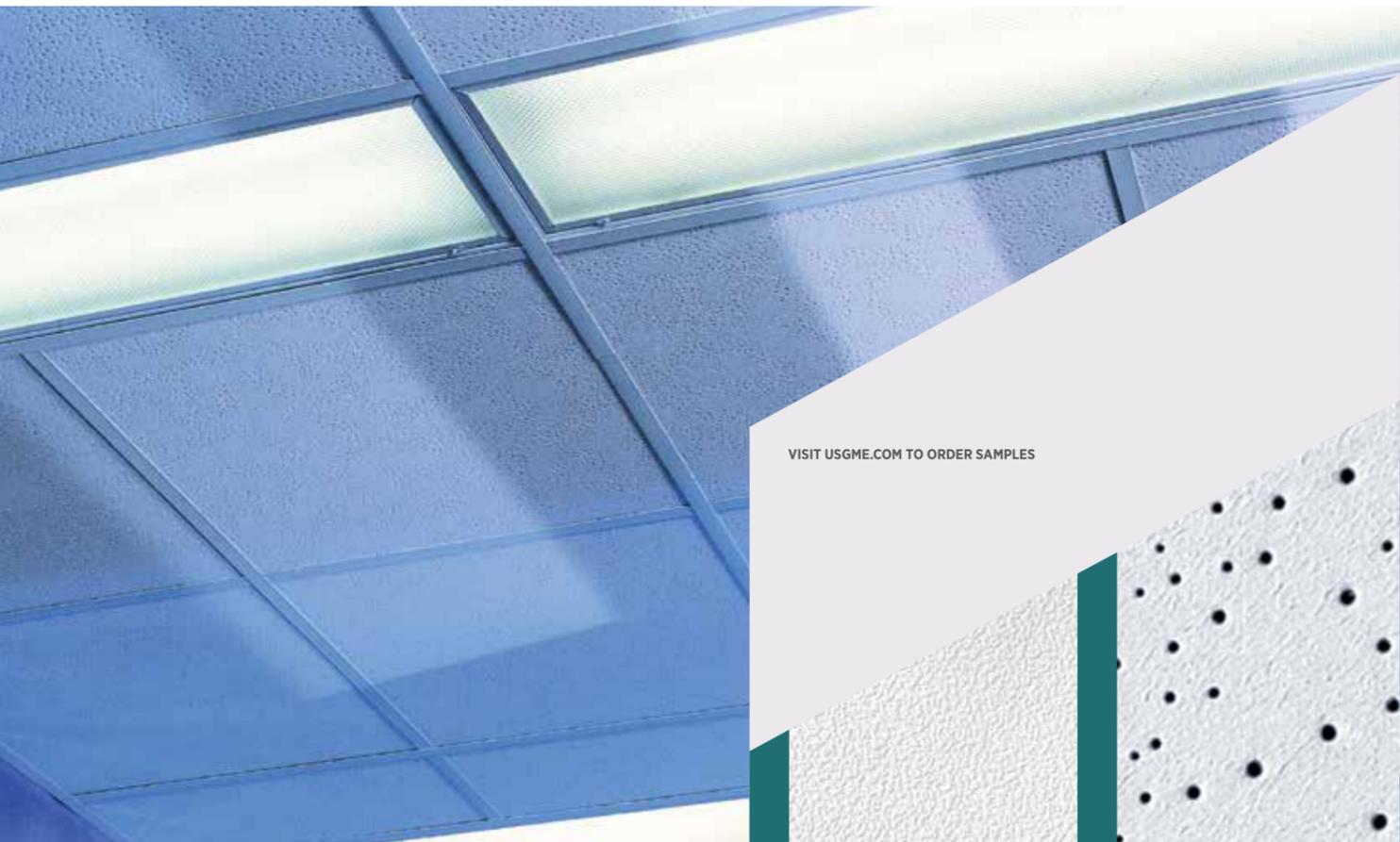
**Washability / Scrubbability as per ASTM D4828 & D2486**  
 Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

**VOC Class**  
 Greenguard Gold

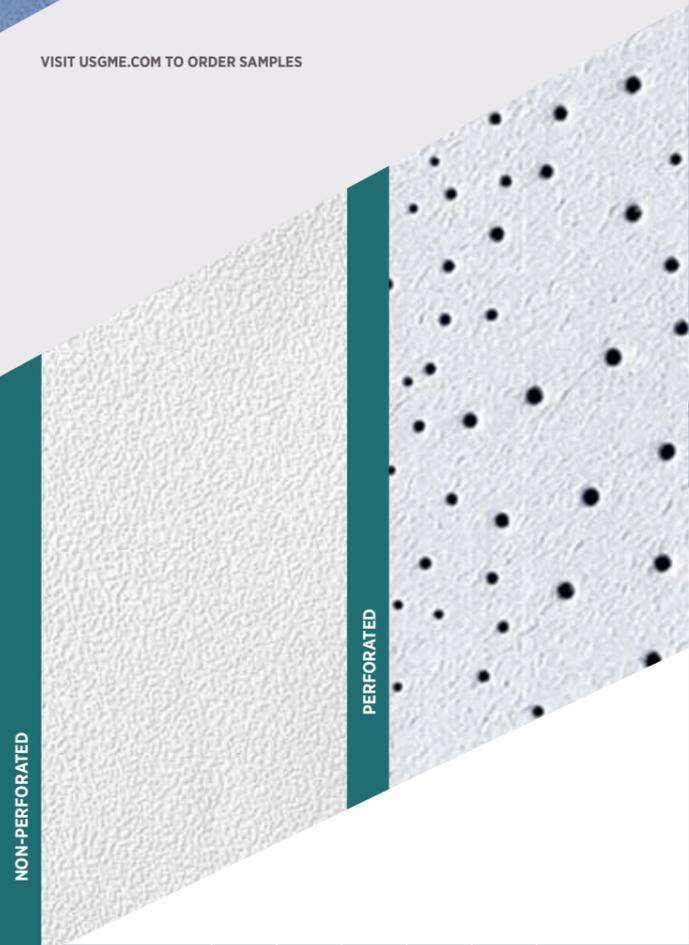
**Formaldehyde Classification**  
 Class E1 as per EN717-1

**Relevant LEED® Credit**  
 EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# CLEAN ROOM™



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NON-PERFORATED

PERFORATED

Frequency, Hz	125	250	500	1000	2000	4000	NRC***
15mm*	0.35	0.15	0.10	0.10	0.15	0.25	0.10
19mm**	0.35	0.40	0.65	0.60	0.55	0.50	0.55

\*Non-perforated  
\*\* Perforated  
\*\*\*Calculated to ASTM C 423-01

## FEATURES & BENEFITS

- Has an embossed, vinyl-laminated face with sealed back and edges for use in Class 100 (Clean Room™ Non-Perforated pattern cross-reference to Class 5 per ISO 14644-1). Clean Room™ Perforated pattern also for use in 10M-100M clean rooms for perforated pattern as per Federal standard 209E for Classification of Airborne particles.
- Available in multi perforation pin pattern for acoustic areas with high humidity; is also anti-mold and resists mildew growth.
- Made with Firecode™ base materials to meet life safety codes.
- Classified HRC panels (High Recycled Content), which is greater than 50%.
- Recommended to be used with CE grid (gasketed tee flanges) for hospitals laboratories and hospital general areas.
- Certified USDA bio based product requirements for food processing areas where Clean Room™ has achieved both bio-preferred initiatives: Federal Procurement Preference and Certified Product Labeling.
- Cleanroom classified, meets Federal Spec. 209E for non-perforated "Clean Room™ and workstation specifications in a controlled environment".
- Washable, scrubbable resistance.

## APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Food preparation
- Food storage
- Hydro-therapy rooms
- Laboratories
- Laundry areas
- Pharmacies
- Ware washing

## TABLE OF PERFORMANCE

## CLEAN ROOM™



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	CLX665	600*600*15	0.10	37	80%			52%	Low	\$\$\$\$
	CLX225	610*610*15	0.10	37	80%			52%	Low	\$\$\$\$
	CLX625	600*1200*15	0.10	37	80%			52%	Low	\$\$\$\$
	CLX245	610*1220*15	0.10	37	80%			52%	Low	\$\$\$\$
	CLX669	600*600*19	0.10	38	80%			52%	Low	\$\$\$\$
	CLX229	610*610*19	0.10	38	80%			52%	Low	\$\$\$\$
	CLX629	600*1200*19	0.10	38	80%			52%	Low	\$\$\$\$
	CLX249	610*1220*19	0.10	38	80%			52%	Low	\$\$\$\$
	CLXP669	600*600*19	0.55	38	79%			52%	Low	\$\$\$\$
	CLXP229	610*610*19	0.55	38	79%			52%	Low	\$\$\$\$
CLXP629	600*1200*19	0.55	38	79%			52%	Low	\$\$\$\$	
CLXP249	610*1220*19	0.55	38	79%			52%	Low	\$\$\$\$	

### Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL Tests are available on usgme.com and at spot.ul.com

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	CE SQ Edge

## SPECIFICATION DETAILS

Clean Room™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: X,  
Pattern: C, G, I

### Substrate and Surface Finish

Mineral fiber substrates laminated with embossed vinyl-faced membrane and edges are sealed with water-based paint

### Thickness

15mm, 19mm

### Size

600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square

### Weight

15mm [5.25 kg/m<sup>2</sup>, Firecode®]  
19mm [6.65 kg/m<sup>2</sup>, Firecode®]

### Noise Reduction Coefficient [NRC]

[0.10] [0.55]

### Ceiling Attenuation Class [CAC]

[37 - 38 dB]

### Clean Room Classification as per ISO 14644-1

ISO 5

### Mold Prevention Application as per ASTM D3273

Final rating at scale 10 as per ASTM D3273- 12 indicates that Clean room™ is resistant to Mold growth

### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

[0.79] [0.80]

### Color

White similar to RAL 9003

### Surface Burning Characteristics as per ASTM E84

Class A

### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

### Fire Rating as per ASTM E119

3hrs Time-Rated Assembly [D218]

### Thermal Conductivity

λ = 0.057 W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion

### VOC Class

Greenguard Gold

### Formaldehyde Classification

Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# CROSS FISSURED



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Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.40	0.35	0.40	0.55	0.70	0.75	0.50
19mm	0.45	0.40	0.50	0.70	0.70	0.60	0.60	

\*Calculated to ASTM C 423-01

## FEATURES & BENEFITS

- Economical, all-purpose ceiling pattern available in various panel sizes.
- Directionally fissured panels are an excellent choice for large ceiling areas.
- Mid-range sound absorption and sound attenuation for a flexible office layout, making it ideal for schools, corridors, and general commercial stores where privacy is not an issue.
- Optional FIRECODE™ formulation designed to meet life safety codes.
- Meets the emission test criteria as low emitting per standards established by the Collaborative for High-Performance Schools (CHPS) and following ASTM D5116 testing method.

## APPLICATIONS

- Education
- Corridors and hallways
- Mass merchandisers
- Convenience stores
- Mezzanine and basement
- Warehouse

## TABLE OF PERFORMANCE

## CROSS FISSURED



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
			NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	CFS665	600*600*15	0.50	35	82%			25%	Low	\$
	CFS225	610*610*15								
	CF665	600*600*15	0.50	35	82%			32%	Low	\$
	CF225	610*610*15								
	CFC625	600*1200*15	0.50	35	82%			32%	Low	\$
	CFC245	610*1220*15								
	CFX665	600*600*15	0.50	35	82%			56%	Low	\$
	CFX225	610*610*15								
	CFS669	600*600*19	0.60	37	82%			25%	Low	\$\$
CFS229	610*610*19									
CFX669	600*600*19	0.60	37	82%			56%	Low	\$\$\$	
CFX229	610*610*19									
SLT	CFSR665	600*600*15	0.50	35	82%			25%	Low	\$
	CFSR225	610*610*15								
	CF665	600*600*15	0.50	35	82%			25%	Low	\$\$
	CF225	610*610*15								
	CFXR665	600*600*15	0.50	35	82%			56%	Low	\$\$\$
	CFXR225	610*610*15								
CFSR669	600*600*19	0.60	37	82%			25%	Low	\$\$	
CFSR229	610*610*19									

### Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge

## SPECIFICATION DETAILS

Cross Fissured Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: III,  
Form: 2,  
Pattern: C, D

### Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

### Thickness

15mm, 19mm

### Size

600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square, Reveal [SLT]

### Weight

15mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™],  
15mm [5.1 kg/m<sup>2</sup>, Firecode®],  
19mm [4.5 kg/m<sup>2</sup>, Regular/ ClimaPlus™],  
19mm [6.45 kg/m<sup>2</sup>, Firecode®]

### Noise Reduction Coefficient [NRC]

[0.50] [0.60]

### Ceiling Attenuation Class [CAC]

[35 - 37 dB]

### Mold Prevention Application as per ASTM D3273

Application available upon request per ASTM D3273-1, Rate 10 per D3274

### Humidity Resistance

Maximum 90% RH / 30°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

0.82

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84 Class A

**Reaction to Fire as per EN 13501-1**  
Euroclass A2-s1, d0

### Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

### Thermal Conductivity

λ = 0.057 W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### VOC Class

Greenguard Gold

### Formaldehyde Classification

Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# FAVIA



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

## FEATURES & BENEFITS

- Finest fissuring pattern among USG ME's product portfolio.
- Elegant non-directional pattern for a fresh, clean, and white appearance.
- Cost-effective series is ideal for retail business and general commercial stores.
- High light reflectance ceilings can reduce the number of light fixtures needed while maintaining good indoor environmental air quality.
- Durable and attractive micro-textured white surface for design freedom during installation.

## APPLICATIONS

- Groceries
- Corridors and hallways
- Basements
- Administration offices
- Rest areas
- Cafeterias
- Warehouse

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
15mm	0.35	0.25	0.20	0.20	0.30	0.50	0.25

\*Calculated to ASTM C 423-01

## TABLE OF PERFORMANCE

# FAVIA



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	FNS665	600*600*15	0.25	35	85%			25%	Low	\$
	FNS225	610*610*15								
SLT	FNSR665	600*600*15	0.25	35	85%			25%	Low	\$
	FNSR225	610*610*15								

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge

## SPECIFICATION DETAILS

Favia Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: III,  
Form: 2,  
Pattern: D, E

**Substrate and Surface Finish**  
Mineral fiber substrate finished with factory-applied water-based paint

**Thickness**  
15mm

**Size**  
600 x 600mm, 610 x 610mm

**Edge Detail Trim**  
Square, Reveal [SLT]

**Weight**  
15mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™]

**Noise Reduction Coefficient [NRC]**  
[0.25]

**Ceiling Attenuation Class [CAC]**  
[35 dB]

**Humidity Resistance**  
Maximum 95% RH / 40°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**  
0.85

**Color**  
White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**  
Class A

**Reaction to Fire as per EN 13501-1**  
Euroclass A2-s1, d0

**Thermal Conductivity**  
λ = 0.057 W/m<sup>2</sup>K

**Washability / Scrubbability as per ASTM D4828 & D2486**  
Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

**Formaldehyde Classification**  
Class E1 as per EN717-1

**Relevant LEED® Credit**  
EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# FAVIA ACOUSTIC



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

## FEATURES & BENEFITS

- Micro-fissured non-directional pattern for a cleaner, whiter appearance.
- Elegant light-textured panels with high light reflectance.
- Mid-range sound absorption and sound attenuation which makes it ideal for schools, corridors, and general commercial stores.
- Meets the emission test criteria as low emitting per standards established by the Collaborative for High-Performance Schools (CHPS) and following ASTM D5116 testing method.

## APPLICATIONS

- Education
- Corridors and hallways
- Grocery stores
- Administration offices
- Rest Area
- Warehouse

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	16mm HNRC	0.30	0.35	0.60	0.80	0.90	0.85	0.65
19mm	0.35	0.35	0.45	0.70	0.75	0.65	0.55	

\*Calculated to ASTM C 423-01

## TABLE OF PERFORMANCE

## FAVIA ACOUSTIC



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
			NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	FAS666	600*600*16	0.65	35	85%			25%	Low	\$\$\$
	FAS226	610*610*16								
	FAS669	600*600*19	0.55	37	85%			25%	Low	\$\$
SLT	FASR666	600*600*16	0.65	35	85%			25%	Low	\$\$\$
	FASR226	610*610*16								
	FASR669	600*600*19	0.55	37	85%			25%	Low	\$\$
FASR229	FASR229	610*610*19								

## Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on [usgme.com](http://usgme.com) and at [spot.ul.com](http://spot.ul.com)

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXLT-FLB

## SPECIFICATION DETAILS

Favia Acoustic Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: III,  
Form: 2,  
Pattern: C, D, E

### Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

### Thickness

16mm, 19mm

### Size

600 x 600mm, 610 x 610mm

### Edge Detail Trim

Square, Reveal [SLT]

### Weight

16mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™]  
19mm [4.5 kg/m<sup>2</sup>, Regular/ ClimaPlus™]

### Noise Reduction Coefficient [NRC]

[0.55] [0.65]

### Ceiling Attenuation Class [CAC]

[35 - 37 dB]

### Mold Prevention Application as per ASTM D3273

Application available upon request per ASTM D3273-1, Rate 10 per D3274

### Humidity Resistance

Maximum 90% RH / 40°C

### Light Reflectance Coefficient [LR]

0.85

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84

Class A

### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

### Thermal Conductivity

λ = 0.057 W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### VOC Class

Greenguard Gold

### Formaldehyde Classification

Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# GLACIER™



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Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.36	0.26	0.55	0.99	1.02	1.02	0.65

\*Calculated to ASTM C 423-01

## FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Heavily textured cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Zero VOC emissions exceeds CA Specification 01350.
- Optional Firecode® product designed to meet life-safety codes.
- Integral color masks nicks and scratches and enhances lifetime panel appearance.
- HRC (High Recycled Content) to help maximize contribution to LEED® recycled content.
- All panels are backed with paper, which acts as a sound barrier and resists air filtration for cleaner panels.

## APPLICATIONS

- Libraries
- Restaurant
- Hospitality
- Airport

## TABLE OF PERFORMANCE

## GLACIER™



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
FL	708 Paper Back	610*610*19	0.65	35	70%	Green	Red	73%	Zero	\$\$\$
SL	715 Paper Back	610*610*19	0.65	35	70%	Green	Red	72%	Zero	\$\$\$

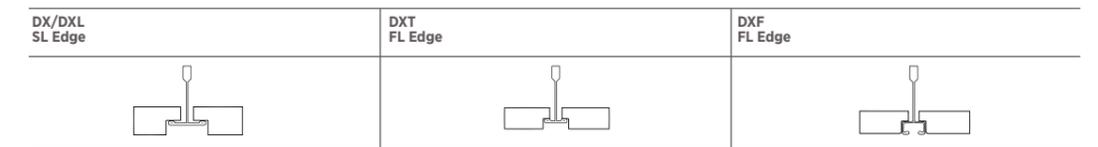
### Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS



## SPECIFICATION DETAILS

<p>Glacier™ Acoustical Ceiling meets specifications in accordance with ASTM E1264.</p> <p><b>Materials Classification</b> Type: III, Form: 4, Pattern: F</p> <p><b>Substrate and Surface Finish</b> Cast mineral fiber with factory applied finish paint</p> <p><b>Thickness</b> 19mm</p> <p><b>Size</b> 610 x 610mm</p> <p><b>Edge Detail Trim</b> Reveal [SL, FL]</p>	<p><b>Weight</b> 19mm [7 kg/m<sup>2</sup>, Class A] 19mm [7.5 kg/m<sup>2</sup>, Firecode®]</p> <p><b>Noise Reduction Coefficient [NRC]</b> [0.65]</p> <p><b>Ceiling Attenuation Class [CAC]</b> [35 dB]</p> <p><b>Humidity Resistance</b> Maximum 99% RH / 40°C for ClimaPlus™</p> <p><b>Light Reflectance Coefficient [LR]</b> 0.70</p> <p><b>Color</b> White, available in various Color upon request</p>	<p><b>Surface Burning Characteristics as per ASTM E84</b> Class A</p> <p><b>Fire Rating as per ASTM E119</b> 2hrs Time-Rated Assembly [G228]</p> <p><b>Thermal Resistance</b> R 1.7 [Class A], R 1.3 [Firecode®]</p> <p><b>VOC Class</b> Greenguard Gold. Zero emission per CHPS collaborative for High-Performance Schools</p> <p><b>Relevant LEED® Credit</b> EA Credit 1   MR Credit 4   MR Credit 5   MR Credit 6   IEQ Credit 3   IEQ Credit 3.2   IEQ Credit 4.6   IEQ Credit 8.1   IEQ Credit 9</p>
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# LOGIX™

MINERAL FIBER | SOFT FIBER | METAL

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## FEATURES & BENEFITS

- Turn your ceiling lighting and utilities into stunning design features with the Logix™ ceiling system.
- Monolithic, structured ceiling visual using standard components, available in Mineral Fiber, Soft Fiber and Metal.
- Designed to be compatible with a wide selection of 150mm, 200mm, 250mm and 300mm utilities and in various module sizes.
- Exceptional sound absorption with NRC values up to 1.0, based on the ceilings' substrate material.
- High light-reflective finish reduces light fixture and energy use.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- The Logix™ system is available in different configurations. Refer to our "How To Plan Logix™ System".

## APPLICATIONS

- Open-plan offices
- Space with indirect lighting or natural lighting
- Conference rooms
- Media centers and libraries
- Receptions & lobby areas
- Airport

MINERAL FIBER

SOFT FIBER

METAL

## HOW TO PLAN LOGIX™ SYSTEM



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE

### 1. UTILITY CHANNEL CONFIGURATION

Continuous	Fixed	Separated	Crosscut

### 2. SYSTEM SUMMARY

<b>Utility Channel Width*</b>	150mm, 200mm, 250mm, 300mm
<b>Channel Module Spacing (Channel-to-Channel)*</b>	1200mm, 1300mm, 1350mm, 1500mm
<b>Ceiling Module Dimension</b>	1.25m, 1.5m, 1.75m ceiling module

### 3. GRID PROFILE

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge

### 4. INFILL PANEL EDGE PROFILE

Square	FL	SL	FLB

### 5. INFILL PANEL SPECIFICATION

Mineral Fiber	Soft Fiber	Metal

### 6. CHANNEL PANEL SPECIFICATION

Mineral Fiber	Soft Fiber	Metal

### 7. CHANNEL PANEL EDGE PROFILE

Square	FL	SL	FLB

\* Refer to USG Middle East technical team for size limitations and custom options





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### FEATURES & BENEFITS

- Finely granulated surface texture.
- High light reflectance finish (up to LR-0.88) reduces wear and tear on light fixtures and energy use.
- Economical, non-directional pattern reduces installation time and waste.
- Fire resistant system options for life safety and protection of property.
- Available also in ClimaPlus™ formulation for 99% humidity resistance and various plank sizes.
- Available in Pedestal edge for 19mm thickness.

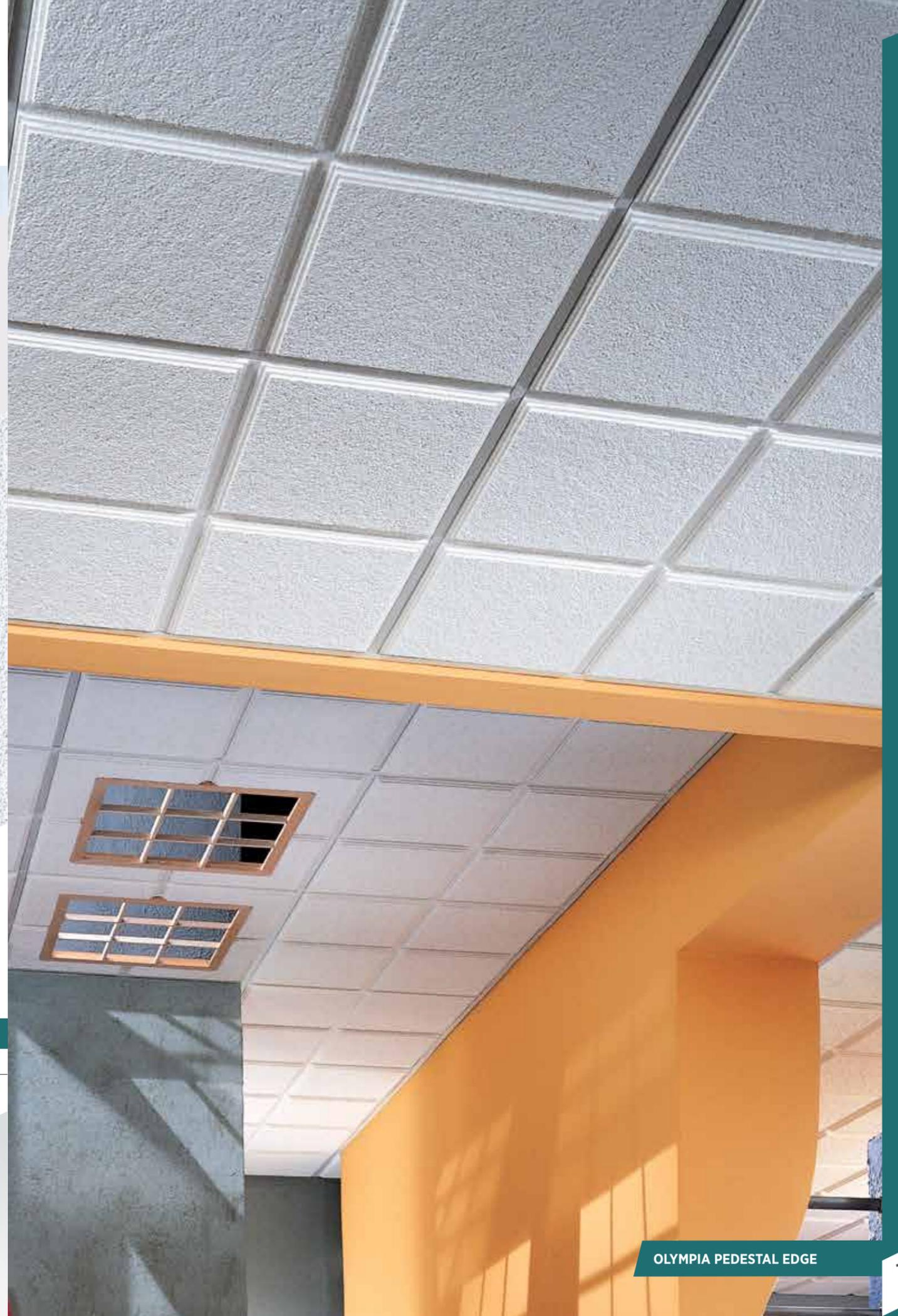
### APPLICATIONS

- Reception
- Commercial stores
- Libraries
- Banks
- Fitness rooms
- Corridors/stairwell
- Waiting area
- Nursery
- Retail stores

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
15mm	0.35	0.25	0.15	0.15	0.20	0.30	0.15

Absorption Coefficient

\*Calculated to ASTM C 423-01



OLYMPIA™



TABLE OF PERFORMANCE

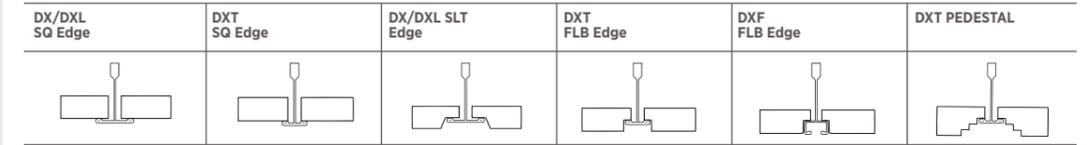
Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost	
SQ 	OLS665	600*600*15	0.15	33	86%			25%	Low	\$	
	OLS225	610*610*15									
	OLC665	600*600*15	0.15	33	88%			39%	Low	\$	
	OLC225	610*610*15									
	OLC625	600*1200*15	0.15	33	88%			39%	Low	\$	
	OLC245	610*1220*15									
	OLX665	600*600*15	0.15	35	86%			56%	Low	\$\$	
	OLX225	610*610*15									
	PLANKS	OLC325	300*1200*15	0.15	33	88%			39%	Low	\$\$\$
		OLC145	310*1220*15								
OLS669		600*600*19	0.15	37	86%			25%	Low	\$\$\$	
OLS229		610*610*19									
PLANKS	OLC669	600*600*19	0.15	37	88%			39%	Low	\$\$\$	
	OLC229	610*610*19									
	OLC359	300*1500*19	0.15	37	88%			39%	Low	\$\$\$\$	
	OLC159	310*1520*19									
SLT 	OLSR665	600*600*15	0.15	33	86%			25%	Low	\$	
	OLSR225	610*610*15									
	OLCR665	600*600*15	0.15	33	88%			39%	Low	\$	
	OLCR225	610*610*15									
	PLANKS	OLCR325	300*1200*15	0.15	33	88%			39%	Low	\$\$\$
		OLCR145	310*1220*15								
	OLSR669	600*600*19	0.15	37	86%			25%	Low	\$\$\$	
	OLSR229	610*610*19									
	OLC629	600*1200*19	0.15	37	88%			39%	Low	\$\$\$	
	OLC249	610*1220*19									
OLCR629	600*1200*19	0.15	37	88%			39%	Low	\$\$\$		
OLCR245	610*1220*19										
FLB 	OLSRF665	600*600*15	0.15	33	86%			25%	Low	\$	
	OLSRF225	610*610*15									
	OLCRF665	600*600*15	0.15	33	88%			39%	Low	\$	
	OLCRF225	610*610*15									
	PLANKS	OLCRF325	300*1200*15	0.15	33	88%			39%	Low	\$\$\$
		OLCRF145	310*1220*15								
	OLSRF669	600*600*19	0.15	37	86%			25%	Low	\$\$\$	
	OLSRF229	610*610*19									
	OLXR629	600*1200*19	0.15	37	86%			56%	Low	\$\$\$	
	OLXR249	610*1220*19									
OLCRF629	600*1200*19	0.15	37	88%			39%	Low	\$\$\$		
OLCRF249	610*1220*19										
PEDESTAL 	DP1OLCRI669	600*600*19	0.15	37	88%			39%	Low	\$\$\$	
	DP1OLCRI229	610*610*19									
	DP4OLCRI669	600*600*19	0.15	37	88%			39%	Low	\$\$\$	
	DP4OLCRI229	610*610*19									

**High Recycled Content**  
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.  
*For firechief products.*

OLYMPIA™



GRID PROFILE OPTIONS



SPECIFICATION DETAILS

Olympia™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

**Materials Classification**

Type: III,  
Form: 2,  
Pattern: E

**Substrate and Surface Finish**

Mineral fiber substrate finished with factory-applied water-based paint

**Thickness**

15mm, 19mm

**Size**

300 x 1200mm, 310 x 1220mm,  
300 x 1500mm, 310 x 1520mm,  
600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

**Edge Detail Trim**

Square,  
Reveal [SLT, FLB, Pedestal]

**Weight**

15mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™],  
15mm [5.1 kg/m<sup>2</sup>, Firecode®],  
19mm [4.5 kg/m<sup>2</sup>, Regular/ ClimaPlus™],  
19mm [6.45 kg/m<sup>2</sup>, Firecode®]

**Noise Reduction Coefficient [NRC]**

[0.15]

**Ceiling Attenuation Class [CAC]**

[35 - 37 dB]

**Humidity Resistance**

Maximum 99% RH / 40°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**

0.86-0.88

**Color**

White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**

Class A

**Reaction to Fire as per EN 13501-1**

Euroclass A2-s1, d0

**Fire Rating as per ASTM E119**

2hrs Time-Rated Assembly [J201]

**Thermal Conductivity**

λ = 0.057 W/m<sup>2</sup>K

**Washability / Scrubbability as per ASTM D4828 & D2486**

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

**Formaldehyde Classification**

Class E1 as per EN717-1

**Relevant LEED® Credit**

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# OLYMPIA MICRO™

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## FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Excellent combination of noise reduction (up to NRC-0.70) and sound attenuation (up to CAC-37).
- Excellent for critical lighting applications that require High Light Reflectance (0.88).
- High Humidity Resistance up to RH-99%.
- Light granulated surface texture with virtually invisible micro-perforation for a smoother look than standard perforations. Improves sound absorption. Reduces light fixture & energy usage.
- Fire resistant system options for life safety and protection of property.
- Available in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and sound absorption.
- Ideal solutions for classroom and educational facilities.
- Upon request, panel faces and back surfaces are treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits mold growth.

## APPLICATIONS

- Classrooms
- Libraries
- Corridors and stairwell
- Reception and lobby areas
- Restaurant and cafe
- Sports hall
- General offices
- Shopping centers

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
15mm		0.35	0.35	0.50	0.65	0.60	0.50	0.55
19mm		0.30	0.45	0.70	0.70	0.70	0.60	0.65
19mm HNRC		0.45	0.50	0.75	0.85	0.80	0.65	0.70

\*Calculated to ASTM C 423-01





TABLE OF PERFORMANCE

OLYMPIA MICRO™



Table with 11 columns: Edge Detail, Item, Size (mm), NRC, CAC, Light Reflectance, Anti-Mold & Mildew/Sag Resistance, Fire Rating, Recycled Content, VOC Emission, Cost. Rows include SQ, SLT, FLB, BESK, and D-BESK edge profiles.



TABLE OF PERFORMANCE

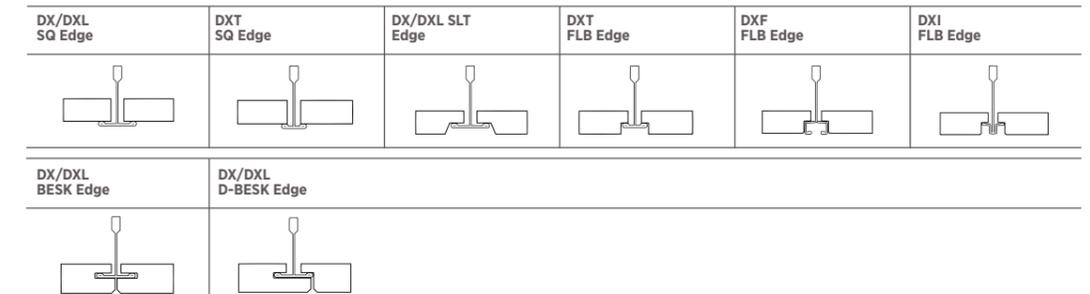
OLYMPIA MICRO™



Table with 11 columns: Edge Detail, Item, Size (mm), NRC, CAC, Light Reflectance, Anti-Mold & Mildew/Sag Resistance, Fire Rating, Recycled Content, VOC Emission, Cost. Rows include D-BESK edge profile.

Low Emissions (VOC) Third party (GREENGUARD Gold) certified for low-emitting performance... High Recycled Content Classified as containing greater than 50% total recycled content.

GRID PROFILE OPTIONS



SPECIFICATION DETAILS

Olympia Micro™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964. Materials Classification, Substrate and Surface Finish, Thickness, Size, Edge Detail Trim, Reaction to Fire as per EN 13501-1, Fire Rating as per ASTM E119, Thermal Conductivity, Washability / Scrubbability as per ASTM D4828 & D2486, VOC Class, Humidity Resistance, Formaldehyde Classification, Relevant LEED® Credit, Light Reflectance Coefficient [LR], Color, Surface Burning Characteristics as per ASTM E84 Class A.

# OMNI



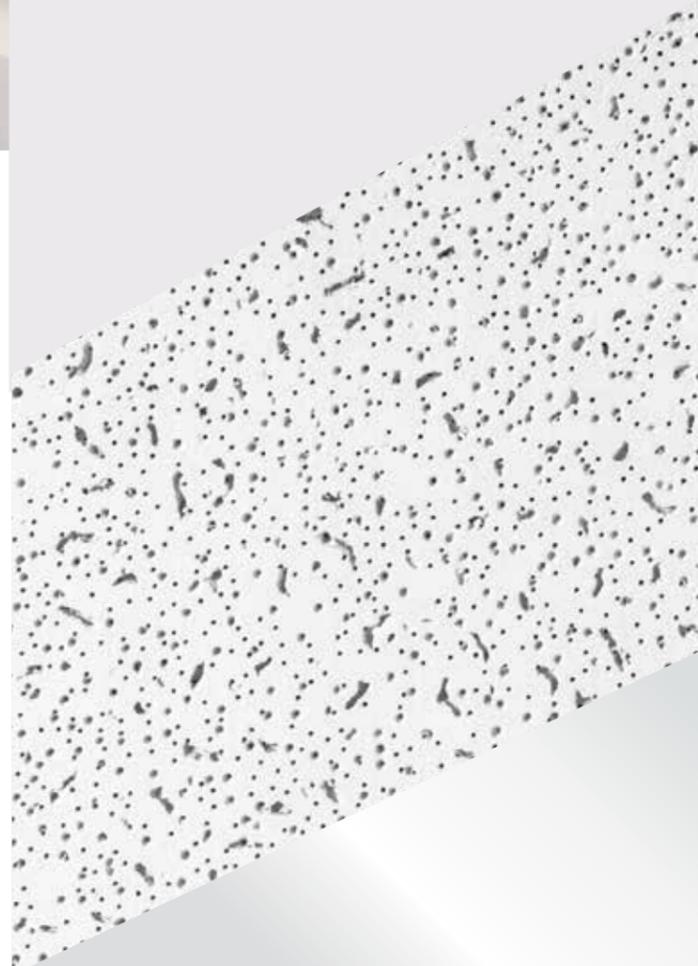
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## FEATURES & BENEFITS

- Medium-textured panels feature a unique, non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- Mid-range sound absorption and sound attenuation, which make it ideal for general commercial stores.
- Is a cost-effective solution with a wide variety of panel options for various applications.
- Optional Firecode™ formulation designed to meet life safety codes.
- Available in washable paint for easy maintenance (use soft brush or vacuum to clean surface).

## APPLICATIONS

- Stores
- Corridors and hallways
- Warehouses
- Mechanical rooms
- Stairways and elevator shafts
- Basement



## TABLE OF PERFORMANCE

## OMNI



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	OMS665	600*600*15	0.50	35	82%			25%	Low	\$
	OMS225	610*610*15								
	OMC625	600*1200*15	0.50	35	82%			39%	Low	\$
	OMC245	610*1220*15								
	OMX665	600*600*15	0.50	35	82%			56%	Low	\$\$
	OMX225	610*610*15								
	OMS669	600*600*19	0.60	37	82%			25%	Low	\$\$
SLT 	OMS229	610*610*19								
	OMX669	600*600*19	0.60	37	82%			56%	Low	\$\$
	OMX229	610*610*19								
	OMSR665	600*600*15	0.50	35	82%			25%	Low	\$\$
	OMSR225	610*610*15								

### Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on [usgme.com](http://usgme.com) and at [spot.ul.com](http://spot.ul.com)

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines. **For firechief products.**

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge

## SPECIFICATION DETAILS

Omni Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: III,  
Form: 2,  
Pattern: C, D, E

### Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

### Thickness

15mm, 19mm

### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square, Reveal [SLT]

### Weight

15mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™]  
15mm [5.1 kg/m<sup>2</sup>, Firecode®]  
19mm [4.5 kg/m<sup>2</sup>, Regular/ ClimaPlus™]  
19mm [6.45 kg/m<sup>2</sup>, Firecode®]

### Noise Reduction Coefficient [NRC]

[0.50], [0.60]

### Ceiling Attenuation Class [CAC]

[35 - 37 dB]

### Humidity Resistance

Maximum 95% RH / 40°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

0.82

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84

Class A

### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

### Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

### Thermal Conductivity

λ = 0.057 W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### VOC Class

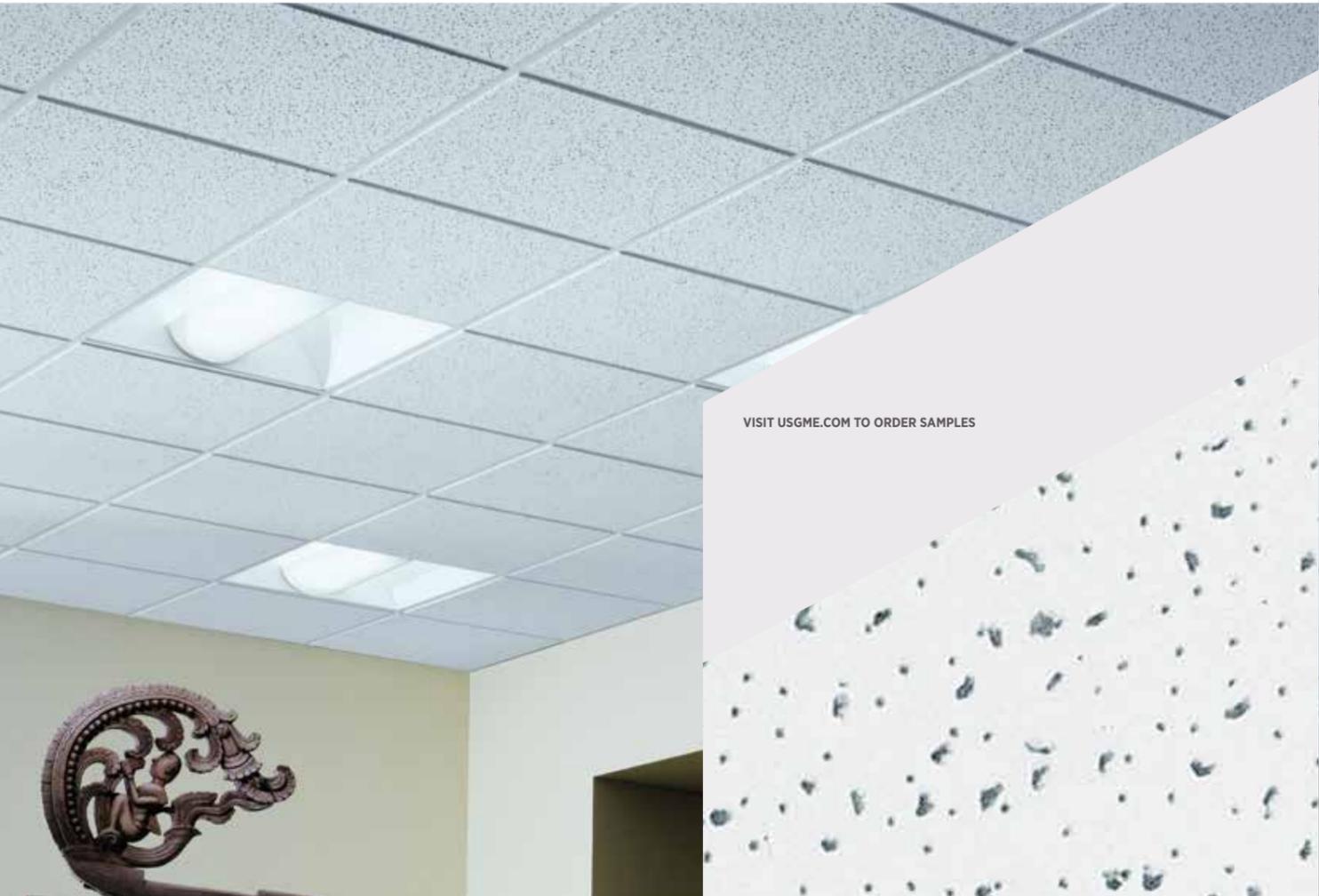
Greenguard Gold

### Formaldehyde Classification

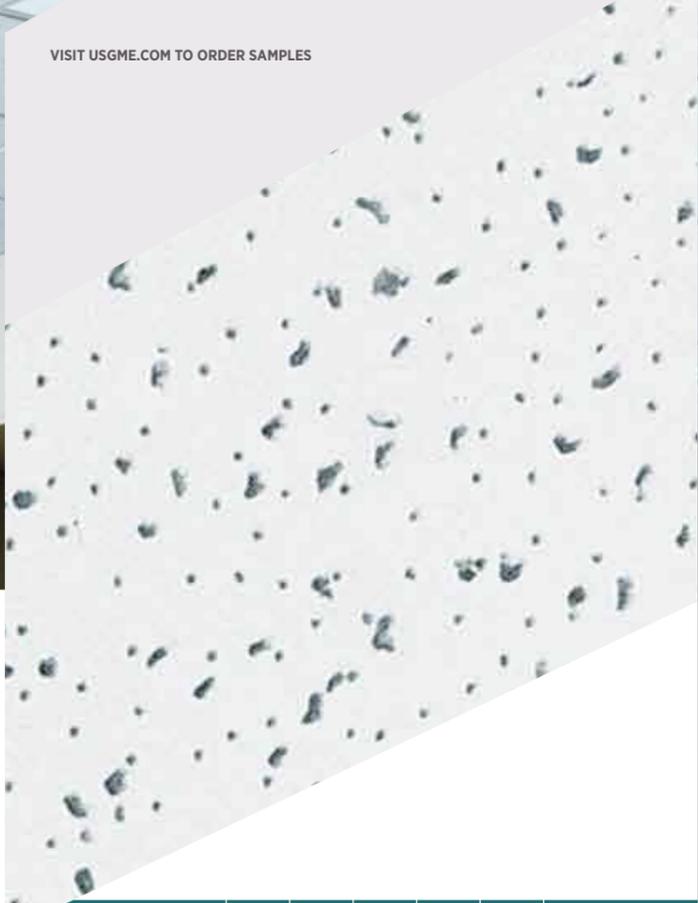
Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9



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### FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC provides balance to room acoustics and sound attenuation; ideal for general commercial construction.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- 360° non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- Cost-effective all-purpose ceiling pattern solution offered in many sizes and edge details.
- Fire resistant system options for life safety and protection of property.
- Available in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and sound absorption.
- Available in 22mm for High NRC & High CAC panels.
- Also available in washable paint and various plank sizes.

### APPLICATIONS

- Education
- Corridors
- Cafeterias
- Libraries
- Open office plans
- Retail stores
- Basement

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
12mm	0.30	0.30	0.40	0.55	0.75	0.85	0.50
15mm	0.40	0.35	0.45	0.60	0.70	0.70	0.50
19mm	0.30	0.35	0.55	0.75	0.75	0.65	0.60
19mm HNRC	0.25	0.35	0.65	0.85	0.90	0.90	0.70
22mm	0.35	0.50	0.75	0.95	1.0	0.90	0.80

Absorption Coefficient

\* Calculated to ASTM C 423-01

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	RDS662	600*600*12	0.50	35	85%			25%	Low	\$
	RDS222	610*610*12								
	RDS665	600*600*15	0.50	36	85%			25%	Low	\$
	RDS225	610*610*15								
	RDC665	600*600*15	0.50	36	85%	🟢		39%	Low	\$
	RDC225	610*610*15								
	RDX665	600*600*15	0.50	37	85%		🔥	56%	Low	\$\$
	RDX225	610*610*15								
	RDX625	600*1200*15	0.50	37	85%		🔥	56%	Low	\$\$
	RDX245	610*1220*15								
	RDX669	600*600*19	0.60	40	85%		🔥	56%	Low	\$\$
	RDX229	610*610*19								
	RDC325	300*1200*15	0.50	36	85%	🟢		39%	Low	\$\$
	RDC145	310*1220*15								
	RDS669	600*600*19	0.60	38	85%			25%	Low	\$\$
	RDS229	610*610*19								
	RDC669-HNRC	600*600*19	0.70	40	85%	🟢		82%	Low	\$\$\$
	RDC229-HNRC	610*610*19								
	RDC329	300*1200*19	0.60	40	85%	🟢		39%	Low	\$\$\$
	RDC149	310*1220*19								
RDC669	600*600*19	0.60	40	85%	🟢		39%	Low	\$\$\$	
RDC229	610*610*19									
RDC6622	600*600*22	0.80	39	85%	🟢		39%	Low	\$\$\$\$	
RDC2222	610*610*22									
SLT	RDSR665	600*600*15	0.50	36	85%			25%	Low	\$
	RDSR225	610*610*15								
	RDCR665	600*600*15	0.50	36	85%	🟢		39%	Low	\$
	RDCR225	610*610*15								
	RDXR669	600*600*19	0.60	40	85%		🔥	56%	Low	\$\$
	RDXR229	610*610*19								
	RDCR325	300*1200*15	0.50	36	85%	🟢		39%	Low	\$\$
	RDCR145	310*1220*15								
	RDSR669	600*600*19	0.60	38	85%			25%	Low	\$\$
	RDSR229	610*610*19								
	RDCR669-HNRC	600*600*19	0.70	40	85%	🟢		82%	Low	\$\$\$
	RDCR229-HNRC	610*610*19								
	RDCR329	300*1200*19	0.60	40	85%	🟢		39%	Low	\$\$\$
	RDCR149	310*1220*19								
RDCR669	600*600*19	0.60	40	85%	🟢		39%	Low	\$\$\$	
RDCR229	610*610*19									
RDCR6622	600*600*22	0.80	39	85%	🟢		39%	Low	\$\$\$\$	
RDCR2222	610*610*22									
FLB	RDSRF665	600*600*15	0.50	36	85%			25%	Low	\$
	RDSRF225	610*610*15								
	RDCRF665	600*600*15	0.50	36	85%	🟢		39%	Low	\$
	RDCRF225	610*610*15								
	RDCRF325	300*1200*15	0.50	36	85%	🟢		39%	Low	\$\$
	RDCRF145	310*1220*15								
	RDCRF329	300*1200*19	0.60	40	85%	🟢		39%	Low	\$\$\$
	RDCRF149	310*1220*19								

**Low Emissions (VOC)**  
 Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 71 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

**High Recycled Content**  
 Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

SPECIFICATION DETAILS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge

Radar™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

**Materials Classification**

Type: III, Form: 2, Pattern: C,D, E

**Substrate and Surface Finish**

Mineral fiber substrate finished with factory-applied water-based paint

**Thickness**

12mm, 15mm, 19mm, 22mm

**Size**

300 x 1200mm, 310 x 1220mm, 600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

**Edge Detail Trim**

Square, Reveal [SLT, FLB]

**Weight**

12mm [2.85 kg/m<sup>2</sup>, Regular/ ClimaPlus™], 15mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™], 19mm [5.1 kg/m<sup>2</sup>, Firecode®], 22mm [6.45 kg/m<sup>2</sup>, Firecode®], 19mm [4.5 kg/m<sup>2</sup>, Regular/ ClimaPlus™], 19mm [6.45 kg/m<sup>2</sup>, Firecode®], 22mm [5.25 kg/m<sup>2</sup>, Regular/ ClimaPlus™]

**Noise Reduction Coefficient [NRC]**

[0.50] [0.60] [0.70] [0.80]

**Ceiling Attenuation Class [CAC]**

[35 - 40 dB]

**Humidity Resistance**

Maximum 99% RH / 40°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**

0.85

**Color**

White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**

Class A

**Reaction to Fire as per EN 13501-1**

Euroclass A2-s1, d0

**Fire Rating as per ASTM E119**

2hrs Time-Rated Assembly [J201]

**Thermal Conductivity**

λ = 0.057 W/m<sup>2</sup>K

**VOC Class**

Greenguard Gold

**Washability / Scrubbability as per ASTM D4828 & D2486**

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

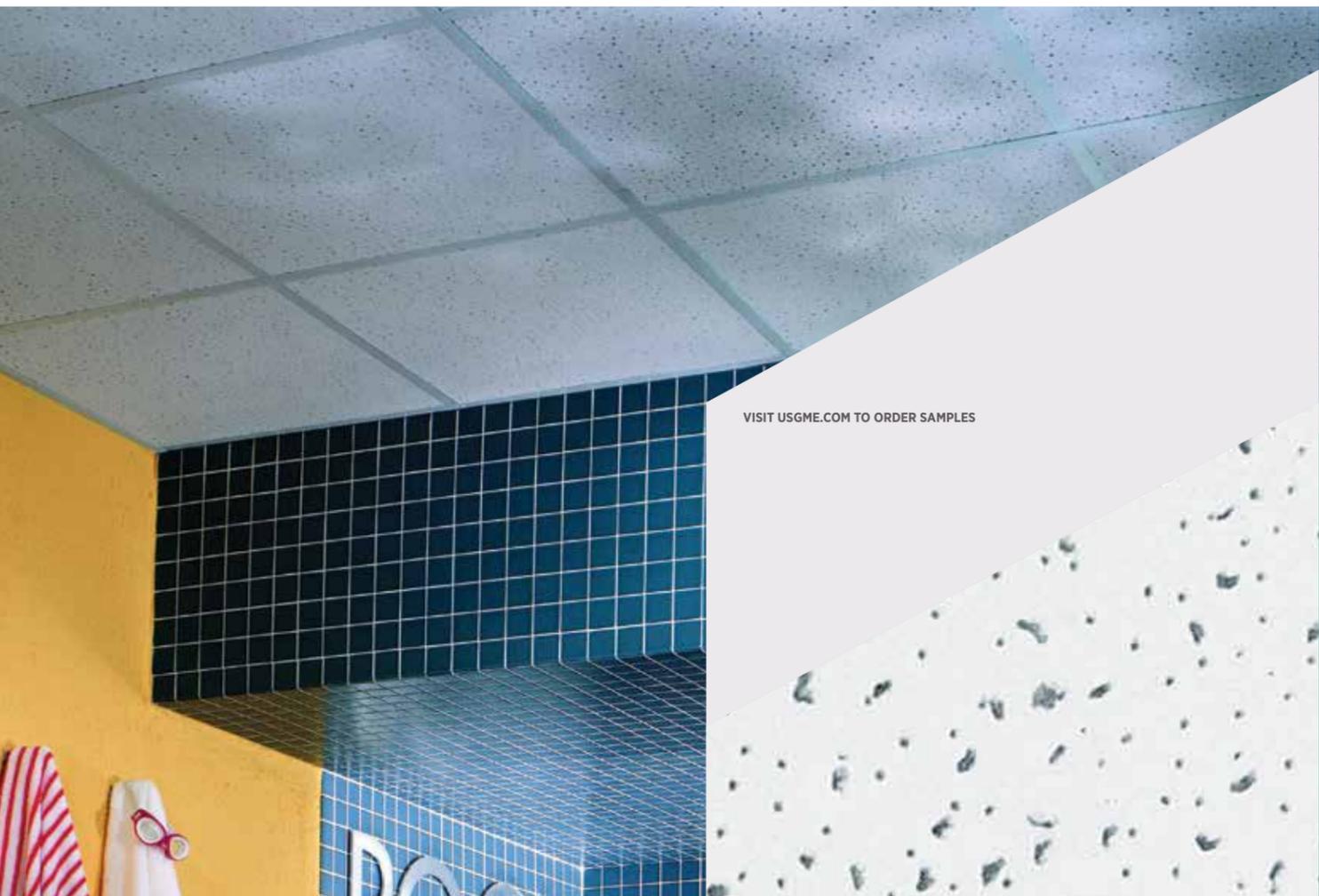
**Formaldehyde Classification**

Class E1 as per EN717-1

**Relevant LEED® Credit**

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# RADAR™ CERAMIC



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Frequency, Hz	125	250	500	1000	2000	4000	NRC*
15mm	0.35	0.28	0.38	0.60	0.76	0.77	0.50

\*Calculated to ASTM C 423-01

## FEATURES & BENEFITS

- 100% ceramic bonded mineral fiber.
- Humidity resistance up to 100% RH, 40°C without visible sag and formulated to meet Firecode® standards.
- Ensures durability and considered the highest-quality Environmental Resistant Panel.
- Withstands high heat, ultra-high humidity, corrosive chemical fumes and steam.
- Ideal to withstand the humidity and steam from saunas and steam rooms.
- Due to its high density, provides high sound attenuation for room to room privacy.
- Meets U.S. Coast Guard standards and can be used in high-humidity marine applications.
- 360° non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- Recommended to be installed with USG DONN® Brand AX-AXCE aluminium corrosion-resistant grid system.

## APPLICATIONS

- High humidity areas
- Pools and shower areas
- Exterior soffits
- Saunas and steam rooms
- Food preparation areas
- Laboratories

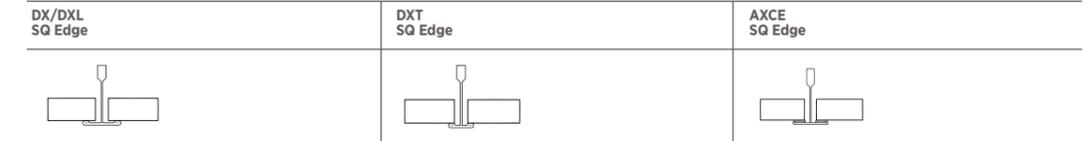
## TABLE OF PERFORMANCE

## RADAR™ CERAMIC



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission
SQ	RDXX665 RDXX225	600*600*15 610*610*15	0.50	39	85%			46%	Low

## GRID PROFILE OPTIONS



## SPECIFICATION DETAILS

Radar™ Ceramic Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: XX,  
Pattern: C, D, E

### Substrate and Surface Finish

Ceramic bonded mineral fiber substrate finished with factory-applied water-based paint

### Thickness

15mm

### Size

600 x 600mm, 610 x 610mm

### Edge Detail Trim

Square

### Weight

15mm [8.25 kg/m<sup>2</sup>, Ceramic Firecode®]

### Noise Reduction Coefficient [NRC]

[0.50]

### Ceiling Attenuation Class [CAC]

[39 dB]

### Mold Prevention Application as per ASTM D3273

Inherent to Mold/Mildew growth

### Humidity Resistance

Maximum 100% RH / 40°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

0.85

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84

Class A

### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

### Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [G202]

### Thermal Conductivity

$\lambda = 0.057$  W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### Formaldehyde Classification

Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9



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## FEATURES & BENEFITS

- Casted Panels with a durable surface that resists scrapes commonly caused by accessing ceiling plenum; highly abuse-resistant paneling.
- Embossed texture that replicates the natural beauty of drifting snow; ideal for use with uplighting or strong side lighting.
- Combination of high sound absorption and high sound attenuation when laminated with paper back surface. Offers effective reduction of unwanted noise and provides excellent privacy.
- HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution.
- Available strictly in ClimaPlus™ for 95% RH resistance. Also features Reveal Edge panels and is formulated to meet Firecode® standards.
- Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

## APPLICATIONS

- Conference and lobby areas
- Department stores
- Entertainment and gaming
- Executive offices
- Restaurant

## TABLE OF PERFORMANCE

### SANDRIFT™



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SL 	808 Paper Back	610*610*19	0.70	38	83%			72%	Zero	\$\$\$
	815 Paper Back	610*610*19	0.55	35	83%			73%	Zero	\$\$\$
FL 	809 Paper Back	610*610*19	0.70	38	83%			72%	Zero	\$\$\$

#### Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

#### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS

DX/DXL SL Edge	DXT FL Edge	DXF FL Edge
		

## SPECIFICATION DETAILS

Sandrift™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

#### Materials Classification

Type: III,  
Form:4,  
Pattern: F

**Substrate and Surface Finish**  
Cast mineral fiber with factory applied finish paint

#### Thickness

19mm

**Size**  
610 x 610mm

**Edge Detail Trim**  
Reveal [SL, FL]

#### Weight

19mm [7.8 kg/m<sup>2</sup>, Class A]  
19mm [8.15 kg/m<sup>2</sup>, Firecode®]

**Noise Reduction Coefficient [NRC]**  
[0.55] [0.70]

**Ceiling Attenuation Class [CAC]**  
[35 - 38 dB]

**Mold Prevention Application as per ASTM D3273**  
Rate 10

**Humidity Resistance**  
Maximum 95% RH / 40°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**  
0.83

**Color**  
White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**  
Class A

**Reaction to Fire as per EN 13501-1**  
Euroclass A2-s1, d0

**Fire Rating as per ASTM E119**  
2hrs Time-Rated Assembly [G228]

#### Thermal Resistance

R 1.7 [Class A],  
R 1.3 [Firecode®]

#### VOC Class

Zero emission per CHPS Collaborative for High-Performance Schools

**Formaldehyde Classification**  
Class E1 as per EN717-1

#### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# SKYLITE ACOUSTIC



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## FEATURES & BENEFITS

- Special R6 wetfletted perforated design meets the growing demand for high sound control ceiling panels with a modern and stylish look.
- Balanced Acoustics. High-NRC and High-CAC.
- Excellent combination of noise reduction (up to NRC-0.70) and sound attenuation (up to CAC-39).
- Excellent for critical lighting applications that require High Light Reflectance (0.89).
- High Humidity Resistance up to RH-95%.
- Produced in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and high sound absorption.
- Ideal solutions for educational facilities and offices.

## APPLICATIONS

- Classrooms
- Offices
- Reception and lobby areas
- Restaurant and cafe
- Sports hall
- Shopping centers

Frequency, Hz	125	250	500	1000	2000	4000
19mm	0.30	0.35	0.65	0.90	0.95	0.70

\*Calculated to ASTM C 423-01

## TABLE OF PERFORMANCE

## SKYLITE ACOUSTIC



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold/Mildew & Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost
			NRC	CAC	Light Reflectance	Anti-Mold/Mildew & Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost
SQ	SKA669-R6	600*600*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKA229-R6	610*610*19								
	SKA629-R6	600*1200*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKA249-R6	610*1220*19								
SL	SKAR669-R6	600*600*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKAR229-R6	610*610*19								
	SKAR629-R6	600*1200*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKAR249-R6	610*1220*19								
FL	SKARF669-R6	600*600*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKARF229-R6	610*610*19								
	SKARF629-R6	600*1200*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKARF249-R6	610*1220*19								

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge

## SPECIFICATION DETAILS

Skylite Acoustic Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: III,  
Form: 2,  
Pattern: A

### Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

### Thickness

19mm

### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square, Reveal [SL, FL]

### Weight

7 kg/m<sup>2</sup> [Firecode\*]

### Noise Reduction Coefficient [NRC]

[0.70]\*

### Ceiling Attenuation Class [CAC]

[39 dB]

### Humidity Resistance

Maximum 95% RH

### Light Reflectance Coefficient [LR]

0.89

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84 Class A

### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

### Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

### Thermal Conductivity

λ = 0.05 W/m<sup>2</sup>K

### Formaldehyde Classification

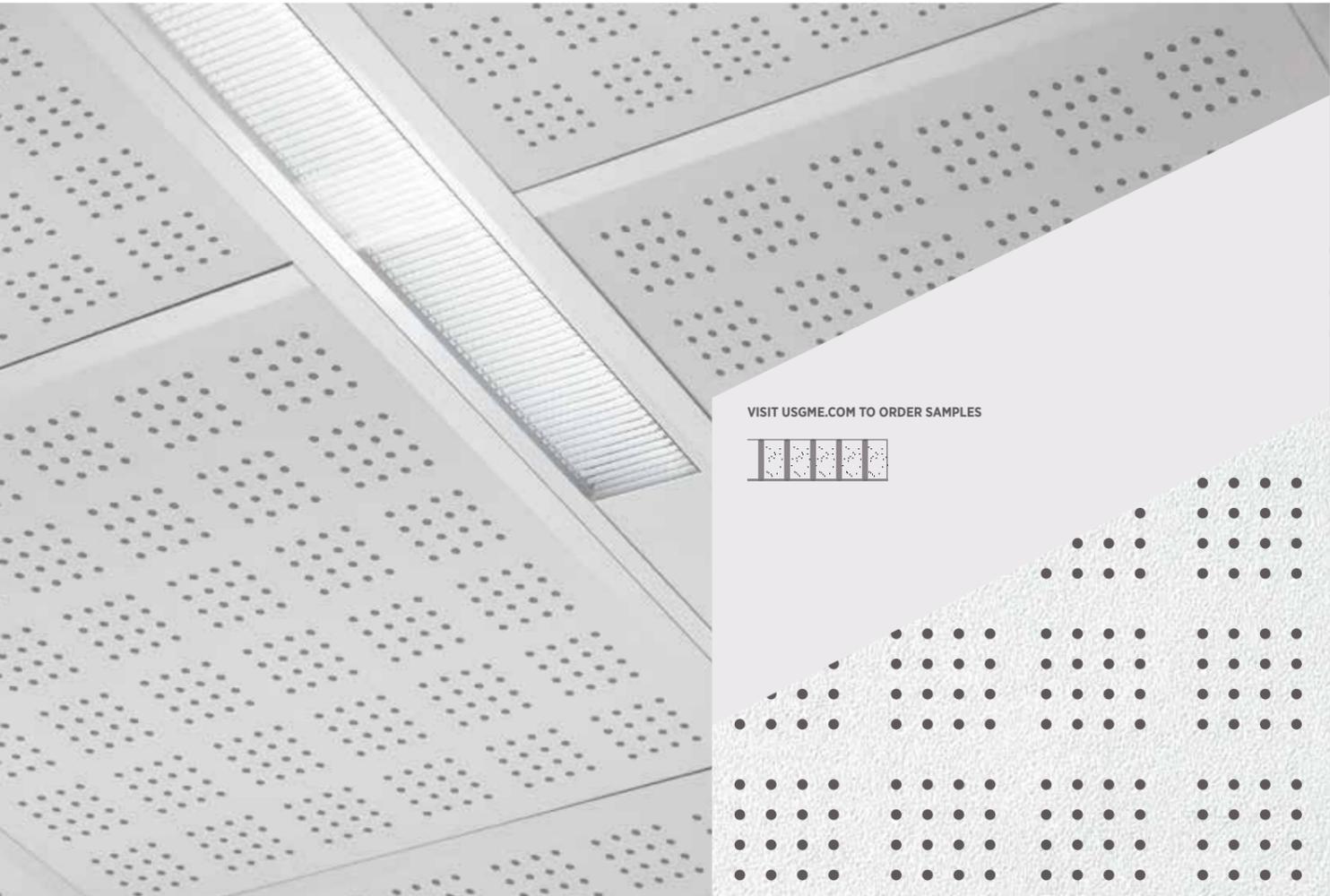
Class E1 as per EN717-1

### Relevant LEED® Credit

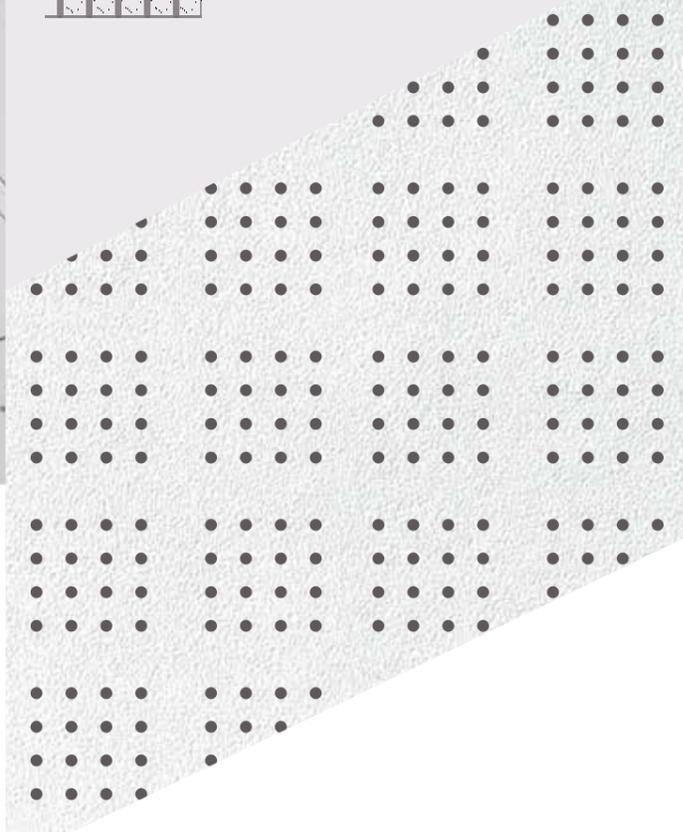
EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

\* Higher acoustic value can be achieved with additional fiber glass/stone wool backer panel

# SKYLITE CLEAN



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Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
		15mm	0.30	0.30	0.40	0.70	0.95	
	19mm	0.50	0.65	0.85	1.0	0.90	0.65	0.85

\* Calculated to ASTM C 423-01

## FEATURES & BENEFITS

- Special R6 wetfletted laminated with vinyl face.
- Made with Firecode™ base materials to meet life safety codes.
- Balanced Acoustics. High-NRC and High-CAC.
- Excellent combination of noise reduction (up to NRC-0.85) and sound attenuation (up to CAC-38).
- Classified HRC panels (High Recycled Content) as greater than 50%.
- Recommended to be used with AXCE grid (gasketed tee flanges) for laboratories areas.
- Washable, scrubbable resistance.
- High humidity resistant; is also anti-mold and resists mildew growth.
- Ideal solutions for healthcare facilities.

## APPLICATIONS

- Laboratories
- Educational facilities
- Food preparation
- Hydro-therapy rooms
- Laundry areas

## TABLE OF PERFORMANCE

## SKYLITE CLEAN



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	SKC665-R6	600*600*15	0.60	38	80%			52%	Low	\$\$\$\$
	SKC225-R6	610*610*15								
	SKC625-R6	600*1200*15	0.60	38	80%			52%	Low	\$\$\$\$
	SKC245-R6	610*1220*15								
	SKC669-R6	600*600*19	0.85	31	80%			52%	Low	\$\$\$\$
	SKC229-R6	610*610*19								
	SKC629-R6	600*1200*19	0.85	31	80%			52%	Low	\$\$\$\$
	SKC249-R6	610*1220*19								

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	AXCE SQ Edge

## SPECIFICATION DETAILS

Skylite Clean Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: X,  
Pattern: A

**Substrate and Surface Finish**  
Mineral fiber substrates laminated with embossed vinyl-faced membrane

**Thickness**  
15mm, 19mm

**Size**  
600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

**Edge Detail Trim**  
Square

**Weight**  
15mm [5.25 kg/m<sup>2</sup>, Firecode®]  
19mm [6.65 kg/m<sup>2</sup>, Firecode®]

**Noise Reduction Coefficient [NRC]**  
[0.60] [0.85]\*

**Ceiling Attenuation Class [CAC]**  
[31 - 38 dB]

**Mold Prevention Application as per ASTM D3273**  
Rate 10

**Humidity Resistance**  
Maximum 95% RH / 40°C

**Light Reflectance Coefficient [LR]**  
[0.80]

**Color**  
White similar to RAL 9003

**Surface Burning Characteristics as per ASTM E84**  
Class A

**Reaction to Fire as per EN 13501-1**  
Euroclass A2-s1, d0

**Fire Rating as per ASTM E119**  
3hrs Time-Rated Assembly [D218]

**Thermal Conductivity**  
λ = 0.05 W/m<sup>2</sup>K

**Washability / Scrubbability as per ASTM D4828 & D2486**

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion

**Formaldehyde Classification**  
Class E1 as per EN717-1

**Relevant LEED® Credit**  
EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# SONATA



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## FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC, providing balance to room acoustics and sound attenuation.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- Sonata fulfills the formaldehyde emissions in accordance with EN 717-1 and achieve Class E1.
- Fine, monolithic texture offers the industry's highest light reflectance at LR 0.89. Reduces light fixture and energy usage and is part of indirect lighting.
- High impact and scratch-resistant; durable and cleanable surface.
- Rated as Class 10 for mold prevention application as per ASTM D3273.
- Available in plank size, FLB edges compatible with Logix™ integrated ceiling system.
- Available in custom sizes and different colors on request.

## APPLICATIONS

- Executive offices
- Conference rooms
- Reception areas
- Lobbies
- Classrooms
- Corridors
- Restaurants
- Entertainment & gaming centers
- Nurseries

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.40	0.40	0.65	0.95	1.0	1.0	0.75
22mm	0.45	0.45	0.75	0.95	1.0	1.0	0.80

\*Calculated to ASTM C 423-01

## CE EN 13964 - 2014 • A1 : 2007 TABLE OF PERFORMANCE

## SONATA



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	SC669	600*600*19	0.75	37	89%	✓	✓	83%	Low	\$\$\$\$
	SC229	610*610*19								
	SC629	600*1200*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SC249	610*1220*19								
	SC6622	600*600*22	0.80	40	89%	✓		83%	Low	\$\$\$\$\$
	SC2222	610*610*22								
SLT	SCR669	600*600*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SCR229	610*610*19								
	SCR629	600*1200*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SCR249	610*1220*19								
	SCR6622	600*600*22	0.80	40	89%	✓		83%	Low	\$\$\$\$\$
	SCR2222	610*610*22								
FLB	SCRF669	600*600*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SCRF229	610*610*19								
	SCRF629	600*1200*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SCRF249	610*1220*19								
	SCRF6622	600*600*22	0.80	40	89%	✓		83%	Low	\$\$\$\$\$
	SCRF2222	610*610*22								
BESK	SCFC669	600*600*19	0.75	40	89%	✓		83%	Low	\$\$\$\$\$
D-BESK	SCRFDC669	600*600*19	0.75	40	89%	✓		83%	Low	\$\$\$\$\$

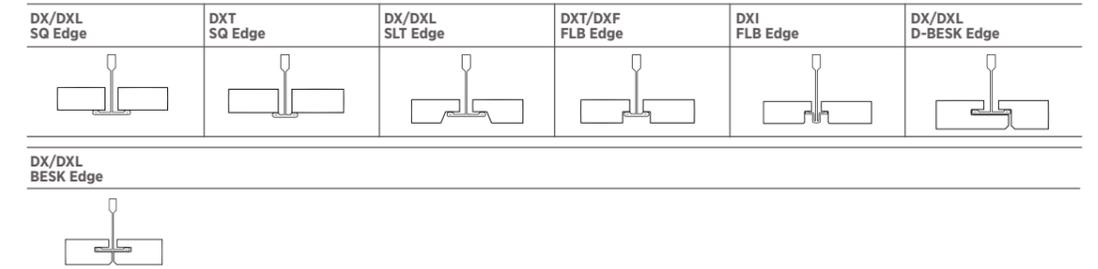
### Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS



## SPECIFICATION DETAILS

Sonata Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: IV,  
Form: 2,  
Pattern: E, G

### Substrate and Surface Finish

Mineral fiber substrate laminated with fiberglass membrane and finished with factory-applied latex paint

### Thickness

19mm, 22mm

### Size

600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square, Reveal [SLT, FLB],  
Concealed [BESK, D-BESK]

### Weight

19mm [4.75 kg/m<sup>2</sup>]  
22mm [5.5 kg/m<sup>2</sup>]

### Noise Reduction Coefficient [NRC]

[0.75] [0.80]

### Ceiling Attenuation Class [CAC]

[37 - 40 dB]

### Mold Prevention Application as per ASTM D3273

Rate 10

### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

0.89

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84 Class A

Reaction to Fire as per EN 13501-1 Euroclass A2-s1, d0

Fire Rating as per ASTM E119 2hrs Time-Rated Assembly [J201]

### Thermal Conductivity

λ = 0.05 W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### VOC Class

Greenguard Gold

### Formaldehyde Classification

Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# SONATA HEALTHCARE



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## FEATURES & BENEFITS

- Sonata Healthcare in normal condition face and back is ISO 4 according to the norm ISO 14644-1 : 2015.
- Sonata Healthcare microbiological class according to the norm NF S 90-351 : 2013 is as follows: M100 / area 2 (Acinobacter baumannii), M1 / area 4 (Staphylococcus aureus MRSA, Bacillus cereus, Streptococcus pneumoniae, Escherichia coli, Candida albicans), <1 / area 2,3,4 (Aspergillus brasiliensis).
- Recommended to be used with CE grid (gasketed tee flanges) for restricted and semi-restricted areas in hospitals,
- Balanced Acoustics. High-NRC and High-CAC that provides balance to room acoustics and sound attenuation.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- Sonata Healthcare fulfills the formaldehyde emissions in accordance with EN 717-1 and achieve Class E1.
- High Impact and scratch resistance, durable and cleanable surface.
- Rated as Class 10 for mold prevention application as per ASTM D3273.

## APPLICATIONS AS PER 2018 FGI GUIDELINES

- Central sterile supply
- Class 1 MRI and imaging rooms
- Class 2 MRI & imaging rooms
- Clean corridors
- Corridors
- Decontamination rooms
- Endoscope processing rooms
- Laboratories
- Laundry areas
- Nurse's stations
- Patient rooms
- Pharmacies
- Treatment and procedure rooms

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm		0.40	0.40	0.65	0.95	1.0	1.0	0.75
22mm		0.45	0.45	0.75	0.95	1.0	1.0	0.80

\*Calculated to ASTM C 423-01

## CE EN 13964 : 2014 - A1 - 2007 TABLE OF PERFORMANCE

## SONATA HEALTHCARE



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	SC669HC	600*600*19	0.75	37	89%	✓	✓	83%	Low	\$\$\$\$
	SC229HC	610*610*19								
	SC629HC	600*1200*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SC249HC	610*1220*19								
SLT	SC6622HC	600*600*22	0.80	40	89%	✓		83%	Low	\$\$\$\$\$
	SC2222HC	610*610*22								
	SCR669HC	600*600*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SCR229HC	610*610*19								
FLB	SCR629HC	600*1200*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SCR249HC	610*1220*19								
	SCR6622HC	600*600*22	0.80	40	89%	✓		83%	Low	\$\$\$\$\$
	SCR2222HC	610*610*22								
FLB	SCRF669HC	600*600*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SCRF229HC	610*610*19								
	SCRF629HC	600*1200*19	0.75	37	89%	✓		83%	Low	\$\$\$\$
	SCRF249HC	610*1220*19								
FLB	SCRF6622HC	600*600*22	0.80	40	89%	✓		83%	Low	\$\$\$\$\$
	SCRF2222HC	610*610*22								

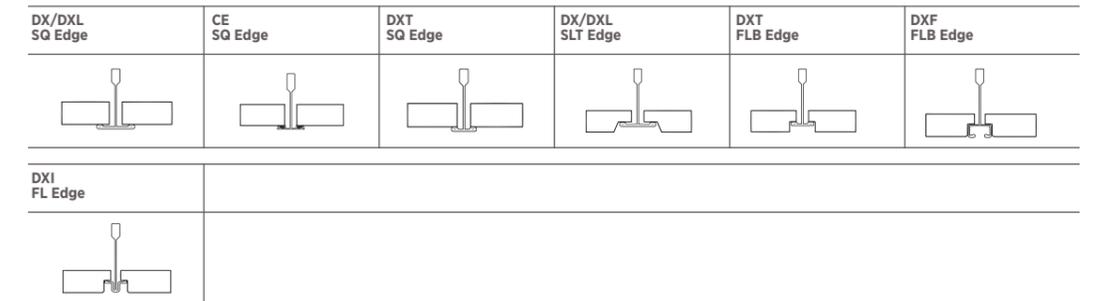
### Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS



## SPECIFICATION DETAILS

Sonata Healthcare Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: IV,  
Form: 2,  
Pattern: E, G

### Substrate and Surface Finish

Mineral fiber substrate laminated with fiberglass membrane and finished with factory-applied latex paint and water repellent membrane

### Water Absorbance

Repellency membrane that resists mild water drippage for up to 2 hrs.

### Thickness

19mm, 22mm

### Size

600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square, Reveal [SLT, FLB]

### Weight

19mm [4.75 kg/m<sup>2</sup>]

22mm [5.5 kg/m<sup>2</sup>]

### Noise Reduction Coefficient [NRC]

[0.75] [0.80]

### Ceiling Attenuation Class [CAC]

[37 - 40 dB]

### Clean Room Classification as per ISO

14644-1

ISO 4

### Mold Prevention Application as per ASTM

D3273

Rate 10

### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

0.89

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per

ASTM E84

Class A

### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

### Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

### Thermal Conductivity

λ = 0.05 W/m<sup>2</sup>K

### Washability / Scrubbability as per ASTM D4828 &

D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### VOC Class

Greenguard Gold

### Formaldehyde Classification

Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# SPARTA



## FEATURES & BENEFITS

- Laminated washable vinyl facing ceiling tile for easy maintenance.
- Available only in plain facings with smooth appearance.
- Ultra high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- May be installed in early project stages.
- Standard with aluminum foil at the rear side which acts as a vapor barrier and resists breathing so panel stays clean for a long time
- Scrub resistant, dirt marks are easy to remove.
- Suitable for Healthcare applications.
- Economical and easy to trim and install.

## APPLICATIONS AS PER 2018 FGI GUIDELINES

- Hydro-therapy rooms
- Nurse's stations
- Patient rooms
- Kitchen
- Groceries
- Bathroom

## TABLE OF PERFORMANCE

## SPARTA



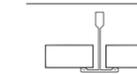
Edge Detail	Item	Size (mm)	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	LPW665	600*600*15	35	84%			20%	Low	\$
	LPW225	610*610*15							
SQ	LPW669	600*600*19	36	84%			20%	Low	\$\$
	LPW229	610*610*19							

### Low Emissions (VOC)

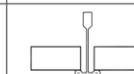
Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health's (CDPH) Standard Method v1.1 - 2010 (CA Section 01350). 'Certificates of Compliance' for Low VOC Emissions are available on usg.com and at spot.us.com.

## GRID PROFILE OPTIONS

DX/DXL  
SQ Edge



DXT  
SQ Edge



## SPECIFICATION DETAILS

Sparta Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: X,  
Pattern: G

### Substrate and Surface Finish

Mineral fiber substrates laminated with embossed vinyl-faced membrane and aluminium foil layer at the rear side

### Thickness

15mm, 19mm

### Size

600 x 600mm, 610 x 610mm

### Edge Detail Trim

Square

### Weight

15mm [3.75 kg/m<sup>2</sup>, Regular/ ClimaPlus™]  
19mm [4.75 kg/m<sup>2</sup>, Regular/ ClimaPlus™]

### Ceiling Attenuation Class [CAC]

[35 - 36 dB]

### Mold Prevention Application as per ASTM D3273

Inherent to Mold/Mildew growth

### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

0.84

### Color

White similar to RAL 9003

### Surface Burning Characteristics as per ASTM E84

Class A

### Thermal Conductivity

$\lambda = 0.057 \text{ W/m}^2\text{K}$

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion

### VOC Class

Greenguard Gold

### Formaldehyde Classification

Class E1 as per EN171-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# TAIGA



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC***
15mm		0.35	0.25	0.10	0.15	0.20	0.45	0.15
19mm*		0.30	0.25	0.25	0.30	0.40	0.60	0.30
19mm**		0.25	0.25	0.25	0.30	0.35	0.50	0.30

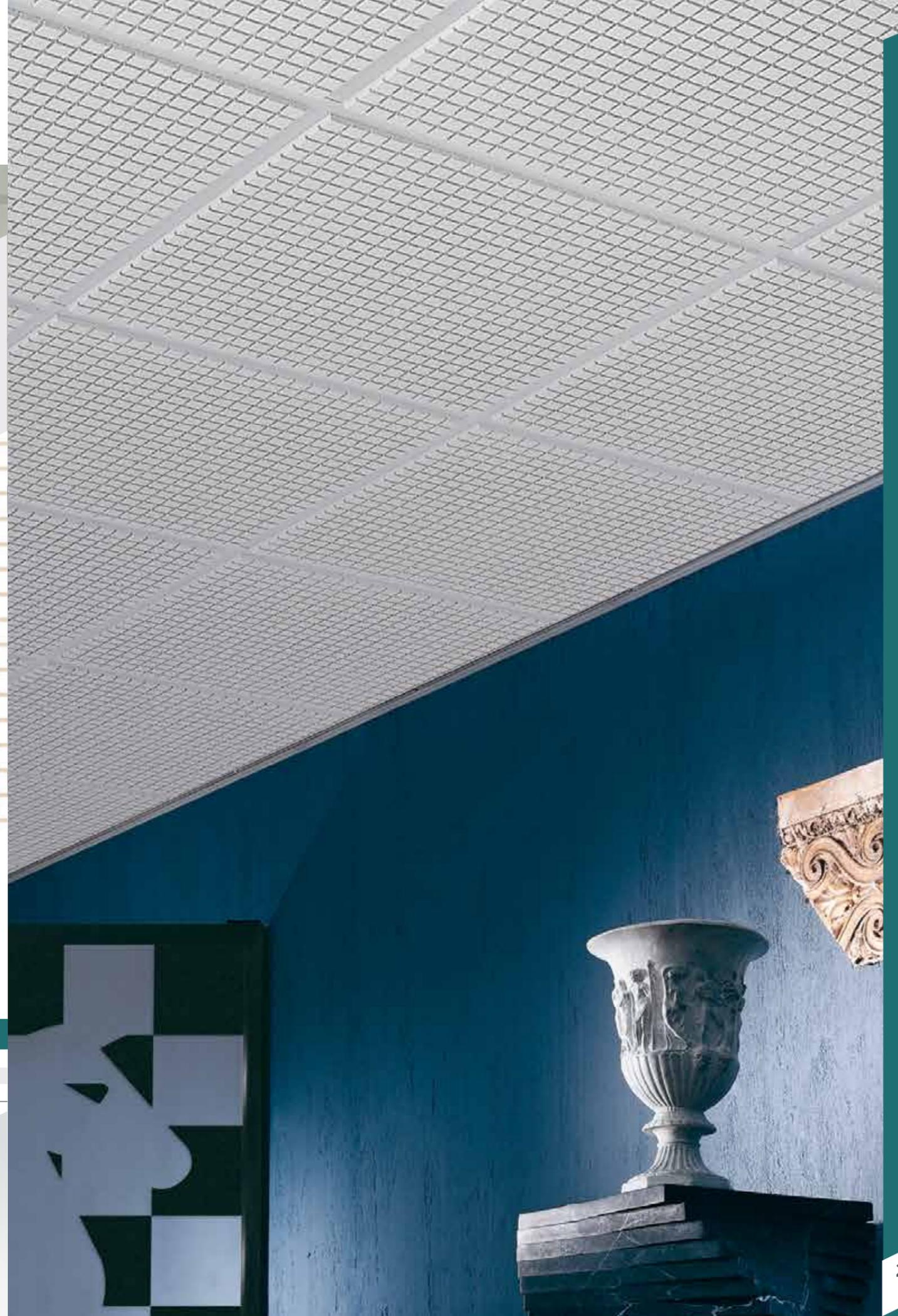
\* Chessboard Design  
 \*\* Comet Line Design  
 \*\*\* Calculated to ASTM C 423-01

## FEATURES & BENEFITS

- Taiga is available in three different surface designs: Plain, Chessboard, and Comet Line.
- Taiga panels were developed to meet today's trend for cleaner finishes with high light reflectance at 86%; improves day lighting which results in energy cost savings and increased comfort level.
- Enhanced surface durability makes Taiga more resistant to normal dirt and wear and tear, enhancing the product's lifespan.
- Low sound absorption, ideal where increased room reverberation is desired.
- High humidity resistant in ClimaPlus™, suitable for applications with intermittent heating and cooling.
- Available in Pedestal edge for 19mm thickness.

## APPLICATIONS

- Showrooms and lounges
- Shops
- Supermarkets and departments stores
- Luxury retail stores
- General offices
- Municipal buildings
- Warehouses



TAIGA



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	TS665	600*600*15	0.15	33	86%			25%	Low	\$\$
	TS225	610*610*15								
	TS669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
	TS229	610*610*19								
SLT	TSR665	600*600*15	0.15	33	86%			25%	Low	\$\$
	TSR225	610*610*15								
	TSR669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
	TSR229	610*610*19								
	TSRCHS669	600*600*19	0.30	35	83%			25%	Low	\$\$\$
	TSRCHS229	610*610*19								
FLB	TSRC669	600*600*19	0.30	35	83%			32%	Low	\$\$\$
	TSRC229	610*610*19								
PEDESTAL	TSRF665	600*600*15	0.15	33	86%			25%	Low	\$\$\$
	TSRF225	610*610*15								
	DPITSRI669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
	DPITSRI229	610*610*19								
	DP4TSRI669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
	DP4TSRI229	610*610*19								
	CHSR669	600*600*19	0.30	35	86%			25%	Low	\$\$\$
	CHSR229	610*610*19								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

TAIGA



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



CEILING ATTENUATION CLASS

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXF FLB Edge	DXT FLB Edge	DXT PEDESTAL

SPECIFICATION DETAILS

Taiga Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III, Form: 2, Pattern: G, K

**Substrate and Surface Finish**  
Mineral fiber substrate finished with factory-applied water-based paint

**Thickness**  
15mm, 19mm

**Size**  
600 x 600mm, 610 x 610mm

Edge Detail Trim

Square, Reveal [SLT, FLB, Pedestal]

Weight

15mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™]  
19mm [4.5 kg/m<sup>2</sup>, Regular/ ClimaPlus™]

**Noise Reduction Coefficient [NRC]**  
[0.15][0.30]

**Ceiling Attenuation Class [CAC]**  
[33 - 37 dB]

Humidity Resistance

Maximum 95% RH / 40°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**  
0.83-0.86

**Color**  
White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**  
Class A

**Reaction to Fire as per EN 13501-1**  
Euroclass A2-s1, d0

Thermal Conductivity

λ = 0.057 W/m<sup>2</sup>K

**Washability / Scrubbability as per ASTM D4828 & D2486**  
Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# TAIGA HYGIENE



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## FEATURES & BENEFITS

- Taiga Hygiene in normal condition face and back is ISO 4 according to the norm ISO 14644-1 : 2015.
- All Taiga Hygiene items have a special fungicide treatment in the core and on the finished painted surface to enhance resistance to growth of micro-organisms and ensure regular cleanability. Contains a broad spectrum of antimicrobial additives on the face and back of the panel, which provides resistance against the growth of mold and mildew.
- The microbiological class according to the norm NF S 90-351 : 2013 is as following: M100 / area 2 (Klebsiella pneumoniae), M1 / area 4 (Acinobacter baumannii, Staphylococcus aureus MRSA, Bacillus cereus, Streptococcus pneumoniae, Escherichia coli, Candida albicans), <1 / area 2,3,4 (Aspergillus brasiliensis).
- Taiga Hygiene has been developed to meet the most stringent standards for hygiene and cleanability.
- High light reflectance performance 86%.
- High humidity resistant in ClimaPlus™, suitable for applications with intermittent heating and cooling.

## APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI and imaging rooms
- Patient rooms
- Laboratories
- Pharmacies
- Nurse's stations

## TABLE OF PERFORMANCE

## TAIGA HYGIENE



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	THS665	600*600*15	0.15	33	86%			25%	Low	\$\$
	THS225	610*610*15								
	THS669	600*600*19	0.15	36	86%			25%	Low	\$\$\$
SLT	THSR665	600*600*15	0.15	33	86%			25%	Low	\$\$
	THSR225	610*610*15								
	THSR669	600*600*19	0.15	36	86%			25%	Low	\$\$\$
FLB	THSRF669	600*600*19	0.15	36	86%			25%	Low	\$\$\$
	THSRF229	610*610*19								

### Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge

## SPECIFICATION DETAILS

Taiga Hygiene Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: III,  
Form: 2,  
Pattern: G

### Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

### Thickness

15mm, 19mm

### Size

600 x 600mm, 610 x 610mm

### Edge Detail Trim

Square, Reveal [SLT, FLB]

### Weight

15mm [3.6 kg/m<sup>2</sup> Regular/ ClimaPlus™],  
19mm [4.5 kg/m<sup>2</sup> Regular/ ClimaPlus™]

**Noise Reduction Coefficient [NRC]**  
[0.15]

**Ceiling Attenuation Class [CAC]**  
[33 - 36 dB]

**Clean Room Classification as per ISO 14644-1**  
ISO 4

**Mold Prevention Application as per ASTM D3273**  
Rate 10

**Humidity Resistance**  
Maximum 99% RH / 40°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**  
0.86

**Color**  
White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**  
Class A

**Reaction to Fire as per EN 13501-1**  
Euroclass A2-s1, d0

### Thermal Conductivity

$\lambda = 0.057 \text{ W/m}^{\circ}\text{K}$

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### VOC Class

Greenguard Gold

### Formaldehyde Classification

Class E1 as per EN717-1

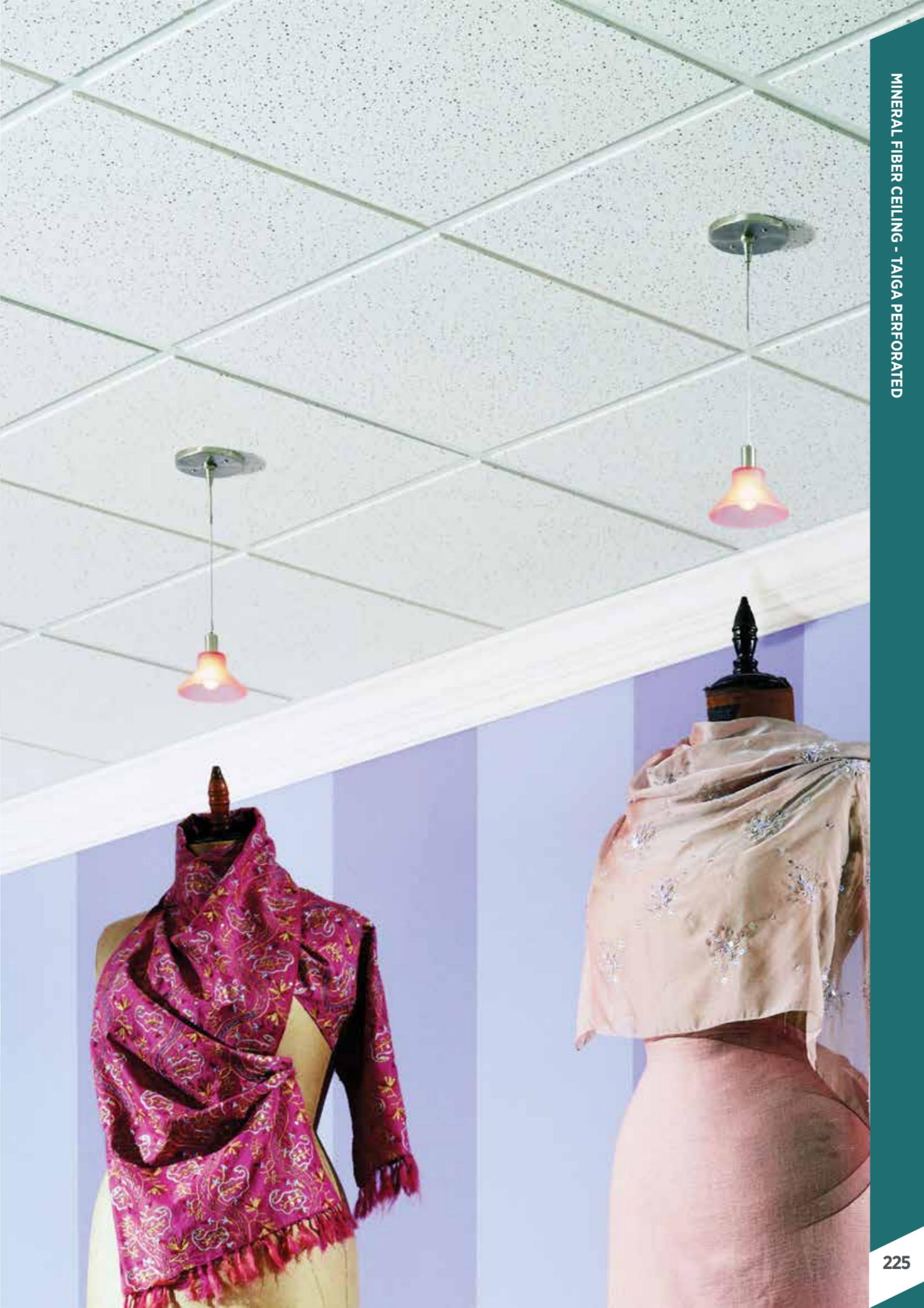
### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

# TAIGA PERFORATED



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES



## FEATURES & BENEFITS

- Offered in standard pin perforation for ideal mid-range sound absorption & sound attenuation, providing balance to room acoustics.
- Excellent for general commercial construction.
- Excellent for critical lighting applications; Taiga Perforated achieves High Light Reflectance (LR- 0.86).
- Maximum economy and design simplicity.
- Also available in washable & hygienic paint.
- High sound absorption up to 0.7 NRC; specially formulated in 16mm HNRC & 19mm thickness for school and executive offices.

## APPLICATIONS

- Schools
- Healthcare
- Corridors
- Lobby areas
- Executive offices
- Retail stores

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	12mm	0.25	0.30	0.40	0.55	0.65	0.70	0.50
15mm	0.35	0.40	0.40	0.55	0.55	0.55	0.45	
16mm HNRC	0.30	0.35	0.70	0.90	0.85	0.75	0.70	
19mm	0.35	0.40	0.65	0.85	0.85	0.70	0.70	

\* Calculated to ASTM C 423-01

TAIGA PERFORATED



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	TPS662	600*600*12	0.50	35	86%			25%	Low	\$
	TPS222	610*610*12								
	TPS665	600*600*15	0.45	35	86%			25%	Low	\$
	TPS225	610*610*15								
	TPC665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPC225	610*610*15								
	TPC625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPC245	610*1220*15								
	TPC666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
SLT 	TPSR665	600*600*15	0.45	35	86%			25%	Low	\$\$
	TPSR225	610*610*15								
	TPCR665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPCR225	610*610*15								
	TPCR625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPCR245	610*1220*15								
	TPCR666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
	TPCR226-HNRC	610*610*16								
	TPCR669	600*600*19	0.70	37	86%			39%	Low	\$\$\$
FLB 	TPSRF665	600*600*15	0.45	35	86%			25%	Low	\$
	TPSRF225	610*610*15								
	TPCRF665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPCRF225	610*610*15								
	TPCRF625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPCRF245	610*1220*15								
	TPCRF666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
	TPCRF226-HNRC	610*610*16								
	TPSRF669	600*600*19	0.70	37	86%			39%	Low	\$\$\$
TPSRF229	610*610*19									

**Low Emissions (VOC)**  
Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

**High Recycled Content**  
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

TAIGA PERFORATED



GRID PROFILE OPTIONS

SPECIFICATION DETAILS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge

Taiga Perforated Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

**Materials Classification**  
Type: III,  
Form: 2,  
Pattern: C, E

**Substrate and Surface Finish**  
Mineral fiber substrate finished with factory-applied water-based paint

**Thickness**  
12mm, 15mm, 16mm, 19mm

**Size**  
600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

**Edge Detail Trim**  
Square, Reveal [SLT, FLB]

**Weight**  
12mm [2.85 kg/m<sup>2</sup>, Regular/ ClimaPlus™],  
15mm [3.6 kg/m<sup>2</sup> Regular/ ClimaPlus™],  
16mm [3.85 kg/m<sup>2</sup> Regular/ ClimaPlus™],  
19mm [4.5 kg/m<sup>2</sup> Regular/ ClimaPlus™]

**Noise Reduction Coefficient [NRC]**  
[0.45] [0.50] [0.70]

**Ceiling Attenuation Class [CAC]**  
[35 - 37 dB]

**Humidity Resistance**  
Maximum 99% RH / 40°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**  
0.86

**Color**  
White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**  
Class A

**Reaction to Fire as per EN 13501-1**  
Euroclass A2-s1, d0

**Thermal Conductivity**  
λ = 0.057 W/m<sup>2</sup>K

**Washability / Scrubbability as per ASTM D4828 & D2486**  
Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

**VOC Class**  
Greenguard Gold

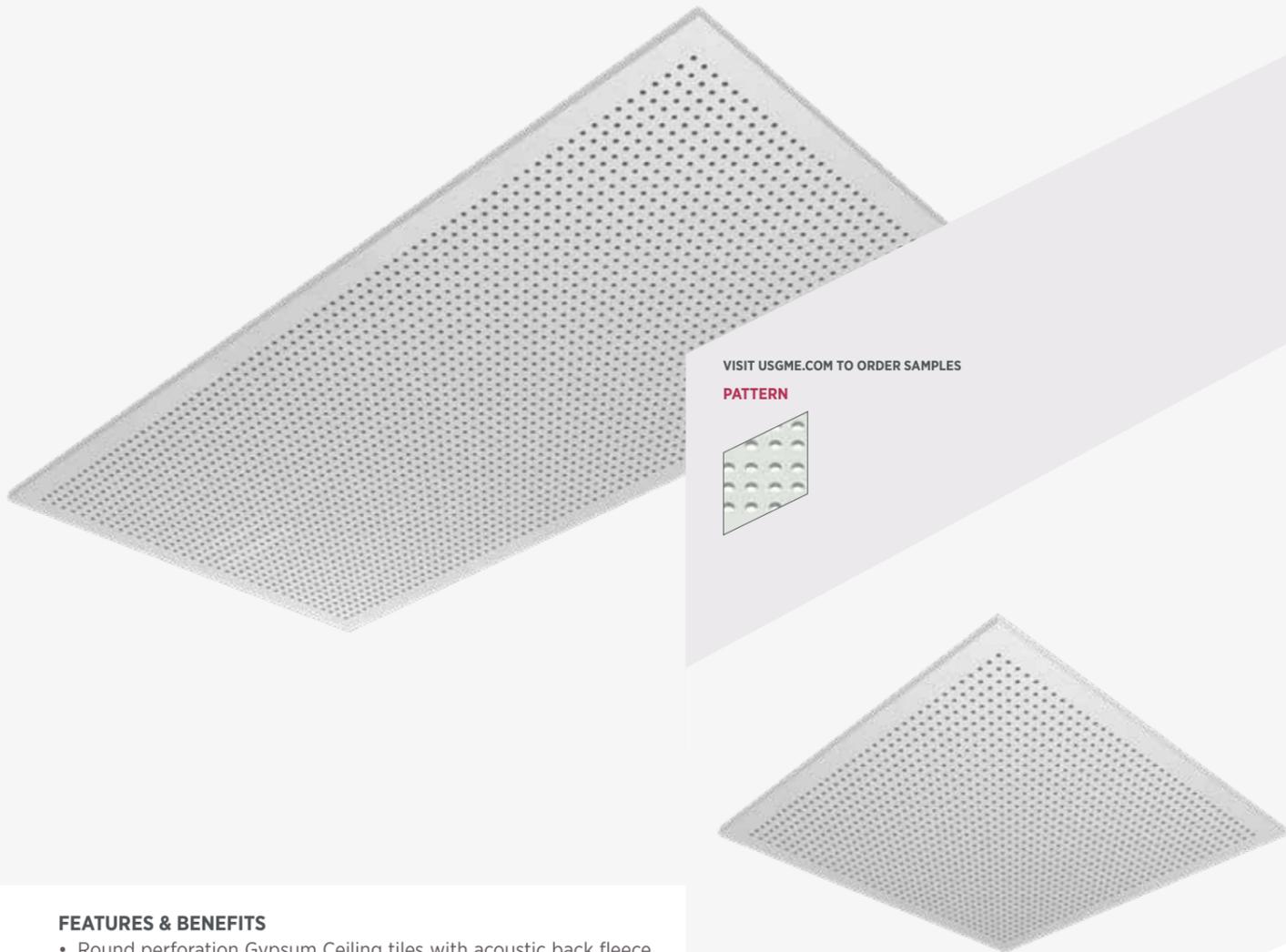
**Formaldehyde Classification**  
Class E1 as per EN717-1

**Relevant LEED® Credit**  
EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9



GYPSUM  
CEILING TILES

# SKYROCK® SOUNDBLOCK - R6



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PATTERN

## FEATURES & BENEFITS

- Round perforation Gypsum Ceiling tiles with acoustic back fleece for high acoustic performance.
- Laminated and painted surface finish options are available.
- Available in both metric and imperial sizes.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

## APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls and residential

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC**
R6		0.55	0.75	0.70	0.65	0.60	0.55	0.70
R6*		0.75	0.95	0.95	0.80	0.55	0.40	0.85

\* With 100mm soft fiber infill  
\*\* Calculated to ASTM C 423-01

## TABLE OF PERFORMANCE

## SKYROCK® SOUNDBLOCK- R6 ROUND PERFORATION



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	GT-PS6609-R6	600*600*9.5	0.70		88%			7%	Low	\$\$\$
	GT-PS2209-R6	610*610*9.5								
	GT-PS662-R6	600*600*12.5	0.70		88%			7%	Low	\$\$\$
	GT-PS222-R6	610*610*12.5								
	GT-PS622-R6	600*1200*12.5	0.70		88%			7%	Low	\$\$\$
	GT-PS242-R6	610*1220*12.5								
	LG-S6609-R6	600*600*9.5	0.70		84%			7%	Low	\$\$\$
	LG-S2209-R6	610*610*9.5								
SL	GT-PSR662-R6	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSR622-R6	600*1200*12.5								
	LG-SR662-R6	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SR622-R6	600*1200*12.5								
FL	GT-PSRF662-R6	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSRF622-R6	600*1200*12.5								
	LG-SRF662-R6	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
LG-SRF622-R6	600*1200*12.5									

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

## SPECIFICATION DETAILS

Soundblock R6 Ceiling Tile meets specifications in accordance with ASTM E1264.

### Materials Classification

Type: XX,  
Pattern: C

### Substrate and Surface Finish

**Laminated:** Gypsum ceiling panel laminated with vinyl-faced

**Painted:** Gypsum ceiling panel finished with factory-applied water-based paint

### Thickness

9.5mm, 12.5mm

### Size

600 x 600mm, 610 x 610mm, 600 x 1200mm

### Edge Detail Trim

Square, Reveal [SL, FL]

### Weight

9.5mm [5.1 kg/m<sup>2</sup>],  
12.5mm [6.7 kg/m<sup>2</sup>]

### Open Area

600 x 600mm: 9.2%  
600 x 1200mm: 9.8%

### Noise Reduction Coefficient [NRC]

up to 0.70

### Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

### Humidity Resistance

Maximum 95% RH / 40°C

### Light Reflectance Coefficient [LR]

Laminated: 0.84

Painted: 0.88

### Color

Laminated: White similar to RAL 9003

Painted: Matt White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84

Laminated: Class A

Painted: Class A

### Thermal Resistance

12.5mm [ R 0.45]

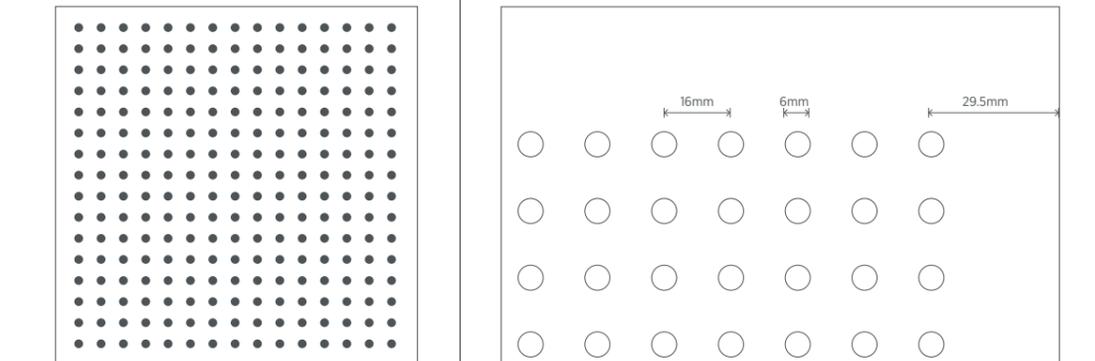
### Washability / Scrubbability as per ASTM D4828 & D2486

Laminated: Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

### Formaldehyde Classification

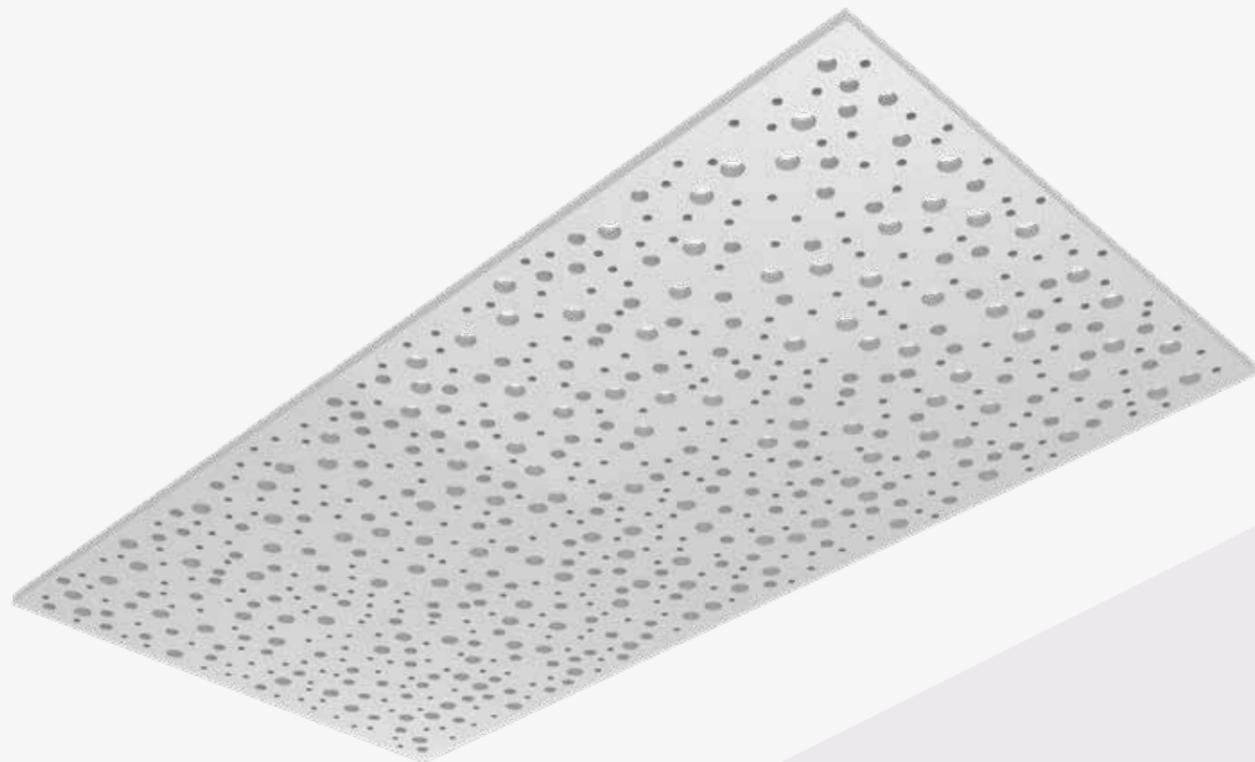
Class E1 as per EN717-1

## TILE AND EDGE DETAILS



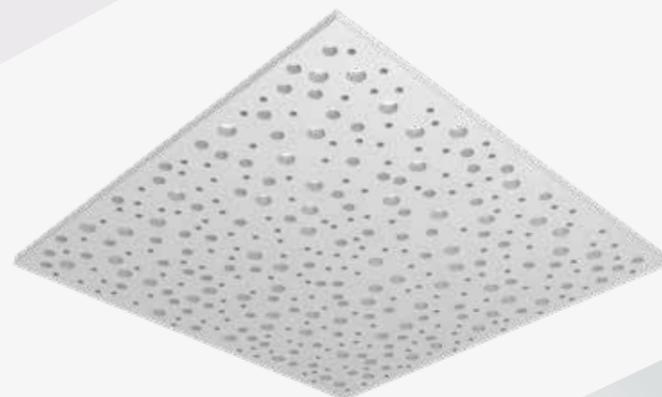
Open Area 9.2% - 9.8%

# SKYROCK® SOUNDBLOCK - R8-15-20



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

**PATTERN**



## FEATURES & BENEFITS

- Irregular round perforation Gypsum Ceiling tiles with acoustic back fleece for high acoustic performance.
- Available in laminated and painted surface finish options.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

## APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls & residential

## TABLE OF PERFORMANCE

## SKYROCK® SOUNDBLOCK - R8-15-20 ROUND PERFORATION



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
			NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	GT-PS6609-R8-15-20	600*600*9.5	0.70		88%			7%	Low	\$\$\$
	LG-S6609-R8-15-20	600*600*9.5								
	GT-PS662-R8-15-20	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PS622-R8-15-20	600*1200*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-S622-R8-15-20	600*1200*12.5								
SL	GT-PSR662-R8-15-20	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSR622-R8-15-20	600*1200*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SR662-R8-15-20	600*600*12.5								
	LG-SR622-R8-15-20	600*1200*12.5								
FL	GT-PSRF662-R8-15-20	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSRF622-R8-15-20	600*1200*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SRF662-R8-15-20	600*600*12.5								
	LG-SRF622-R8-15-20	600*1200*12.5								

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

## SPECIFICATION DETAILS

Soundblock R8-15-20 Ceiling Tile meets specifications in accordance with ASTM E1264.

### Materials Classification

Type: XX,  
Pattern: B, C

### Substrate and Surface Finish

*Laminated:* Gypsum ceiling panel laminated with vinyl-faced  
*Painted:* Gypsum ceiling panel finished with factory-applied water-based paint

**Thickness**  
9.5mm, 12.5mm

**Size**  
600 x 600mm, 600 x 1200mm

**Edge Detail Trim**  
Square, Reveal [SL, FL]

**Weight**  
9.5mm [4.95 kg/m<sup>2</sup>], 12.5mm [6.51 kg/m<sup>2</sup>]

**Open Area**  
600 x 600mm: 16.4%,  
600 x 1200mm: 16.4%

**Noise Reduction Coefficient [NRC]**  
up to 0.70\*

**Mold Prevention**  
Inherent to Mold/Mildew growth panels are available upon request

**Humidity Resistance**  
Maximum 95% RH / 40°C

**Light Reflectance Coefficient [LR]**  
*Laminated:* 0.84  
*Painted:* 0.88

**Color**  
*Laminated:* White similar to RAL 9003  
*Painted:* Matt White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**

*Laminated:* Class A  
*Painted:* Class A

**Thermal Resistance**  
12.5mm [ R 0.45]

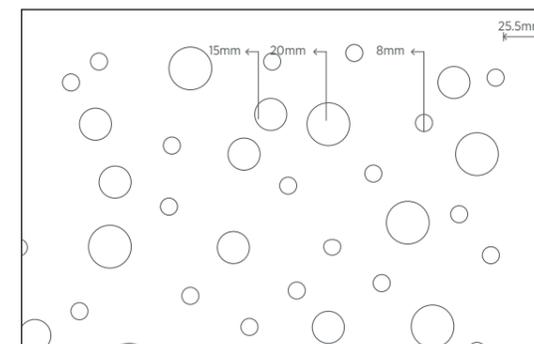
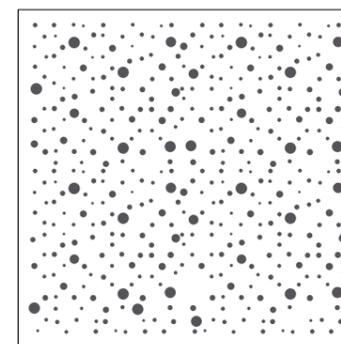
**Washability / Scrubbability as per ASTM D4828 & D2486**

*Laminated:* Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

**Formaldehyde Classification**  
Class E1 as per EN717-1

\* Using factory applied acoustical backer. Higher acoustic value can be achieved with additional Fiber glass/Stone wool backer panel

## TILE AND EDGE DETAILS



Open Area 16.4%

# SKYROCK® SOUNDBLOCK - Q3



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**PATTERN**



**FEATURES & BENEFITS**

- 3mm Square perforation gypsum ceiling tiles with acoustic back fleece for high acoustic performance.
- Available in laminated and painted surface finish options.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

**APPLICATIONS**

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls and residential

**TABLE OF PERFORMANCE**

**SKYROCK® SOUNDBLOCK - Q3**



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	GT-PS6609-Q3	600*600*9.5	0.75		88%			7%	Low	\$\$\$
	LG-S6609-Q3	600*600*9.5								
	GT-PS662-Q3	600*600*12.5	0.75		88%			7%	Low	\$\$\$
	GT-PS622-Q3	600*1200*12.5								
	LG-S662-Q3	600*600*12.5	0.75		84%			7%	Low	\$\$\$
	LG-S622-Q3	600*1200*12.5								
SL	GT-PSR662-Q3	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PSR622-Q3	600*1200*12.5								
	LG-SR662-Q3	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SR622-Q3	600*1200*12.5								
FL	GT-PSRF662-Q3	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PSRF622-Q3	600*1200*12.5								
	LG-SRF662-Q3	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SRF622-Q3	600*1200*12.5								

**GRID PROFILE OPTIONS**

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

**SPECIFICATION DETAILS**

Soundblock Q3 Ceiling Tile meets specifications in accordance with ASTM E1264.

**Materials Classification**

Type: XX,  
Pattern: C

**Substrate and Surface Finish**

*Laminated:* Gypsum ceiling panel laminated with vinyl-faced

*Painted:* Gypsum ceiling panel finished with factory-applied water-based paint

**Thickness**

9.5mm, 12.5mm

**Size**

600 x 600mm, 600 x 1200mm

**Edge Detail Trim**

Square, Reveal [SL, FL]

**Weight**

9.5mm [5.05 kg/m<sup>2</sup>], 12.5mm [6.65 kg/m<sup>2</sup>]

**Open Area**

600 x 600mm: 11.1%

600 x 1200mm: 11.6%

**Noise Reduction Coefficient [NRC]**

up to 0.75\*

**Mold Prevention**

Inherent to Mold/Mildew growth panels are available upon request

**Humidity Resistance**

Maximum 95% RH / 40°C

**Light Reflectance Coefficient [LR]**

*Laminated:* 0.84

*Painted:* 0.88

**Color**

*Laminated:* White similar to RAL 9003

*Painted:* Matt White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**

*Laminated:* Class A

*Painted:* Class A

**Thermal Resistance**

12.5mm [ R 0.45]

**Washability / Scrubbability as per ASTM D4828 & D2486**

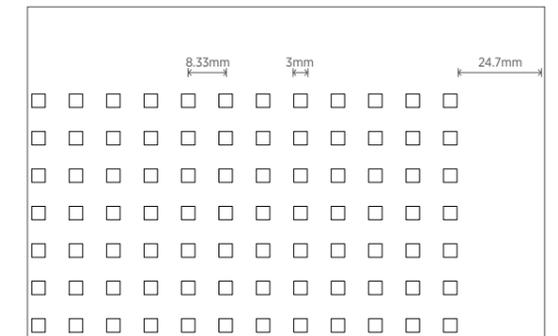
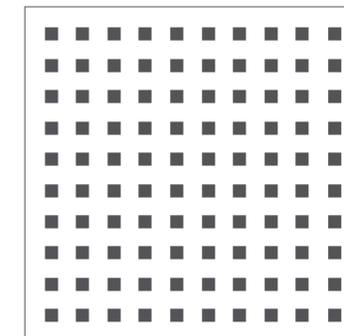
*Laminated:* Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

**Formaldehyde Classification**

Class E1 as per EN717-1

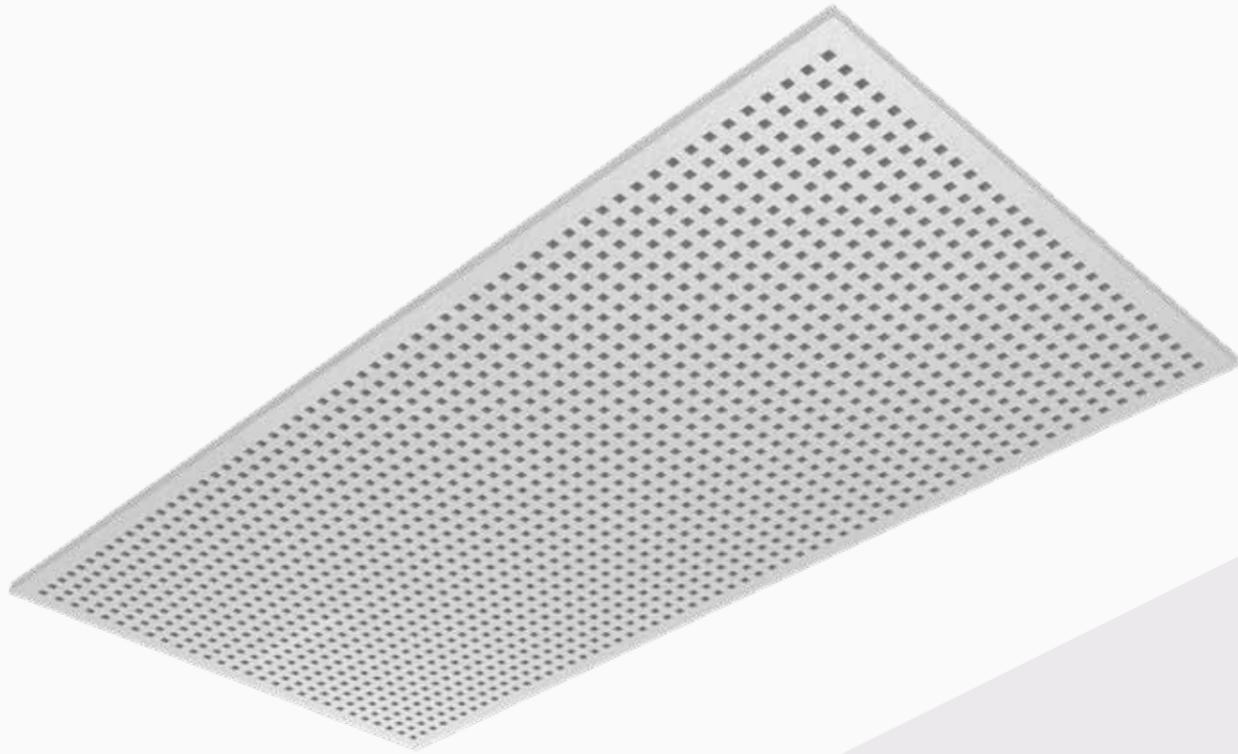
\* Using factory applied acoustical backer. Higher acoustic value can be achieved with additional Fiber glass/Stone wool backer panel

**TILE AND EDGE DETAILS**



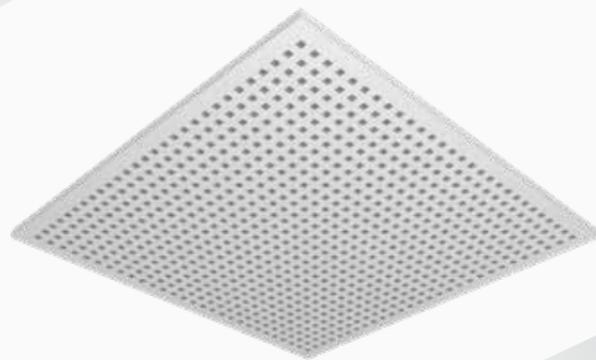
Open Area 11.1% - 11.6%

# SKYROCK® SOUNDBLOCK - Q9



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PATTERN



## FEATURES & BENEFITS

- 9mm Square perforation gypsum ceiling tiles with acoustic back fleece for high acoustic performance.
- Available in laminated and painted surface finish options.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental condition.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

## APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls and residential

## TABLE OF PERFORMANCE

## SKYROCK® SOUNDBLOCK - Q9



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
			NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	GT-PS6609-Q9	600*600*9.5	0.70		88%			7%	Low	\$\$
	LG-S6609-Q9	600*600*9.5								
	GT-PS662-Q9	600*600*12.5	0.70		88%			7%	Low	\$\$
	GT-PS622-Q9	600*1200*12.5								
	LG-S662-Q9	600*600*12.5	0.70		84%			7%	Low	\$\$
	LG-S622-Q9	600*1200*12.5								
SL	GT-PSR662-Q9	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSR622-Q9	600*1200*12.5								
	LG-SR662-Q9	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SR622-Q9	600*1200*12.5								
FL	GT-PSRF662-Q9	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSRF622-Q9	600*1200*12.5								
	LG-SRF662-Q9	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SRF622-Q9	600*1200*12.5								

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

## SPECIFICATION DETAILS

Soundblock Q9 Ceiling Tile meets specifications in accordance with ASTM C1264.

### Materials Classification

Type: XX,  
Pattern: A

### Substrate and Surface Finish

**Laminated:** Gypsum ceiling panel laminated with vinyl-faced

**Painted:** Gypsum ceiling panel finished with factory-applied water-based paint

### Thickness

9.5mm, 12.5mm

### Size

600 x 600mm, 600 x 1200mm

### Edge Detail Trim

Square, Reveal [SL, FL]

### Weight

9.5mm [4.9 kg/m<sup>2</sup>],  
12.5mm [6.4 kg/m<sup>2</sup>]

### Open Area

600 x 600mm: 18%  
600 x 1200mm: 18.5%

### Noise Reduction Coefficient [NRC]

up to 0.70\*

### Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

### Humidity Resistance

Maximum 95% RH / 40°C

### Light Reflectance Coefficient [LR]

**Laminated:** 0.84

**Painted:** 0.88

### Color

**Laminated:** White similar to RAL 9003

**Painted:** Matt White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84

**Laminated:** Class A

**Painted:** Class A

### Thermal Resistance

12.5mm [ R 0.45]

### Washability / Scrubbability as per ASTM D4828 & D2486

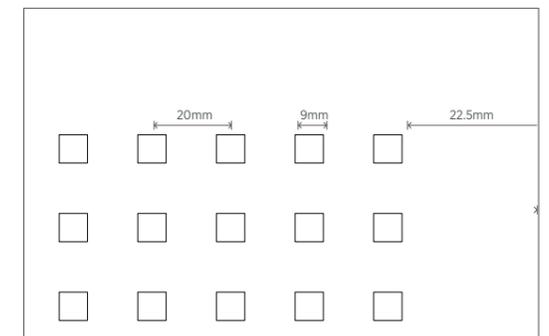
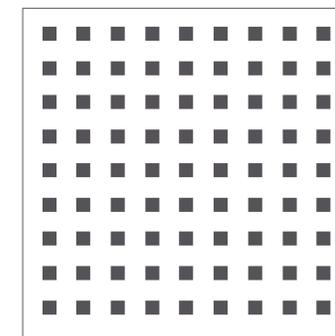
**Laminated:** Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

### Formaldehyde Classification

Class E1 as per EN717-1

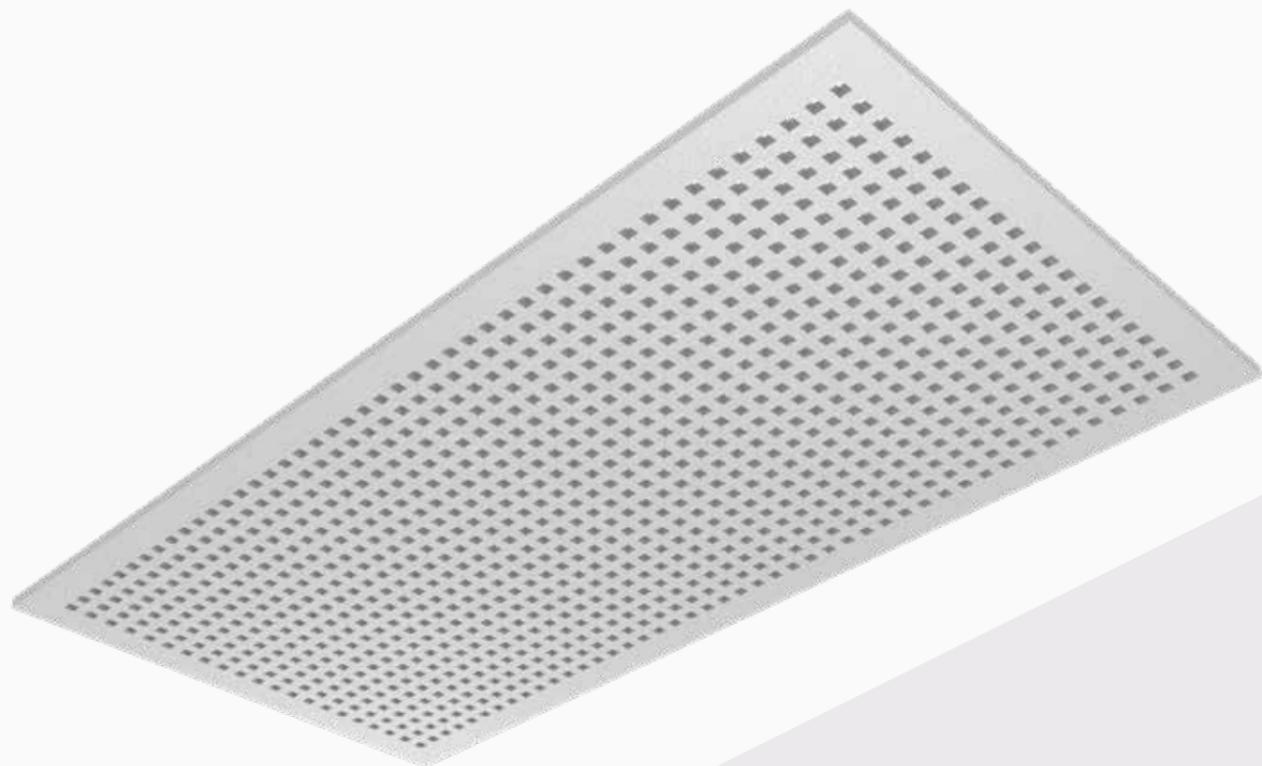
\* Using factory applied acoustical backer. Higher acoustic value can be achieved with additional Fiber glass/Stone wool backer panel

## TILE AND EDGE DETAILS



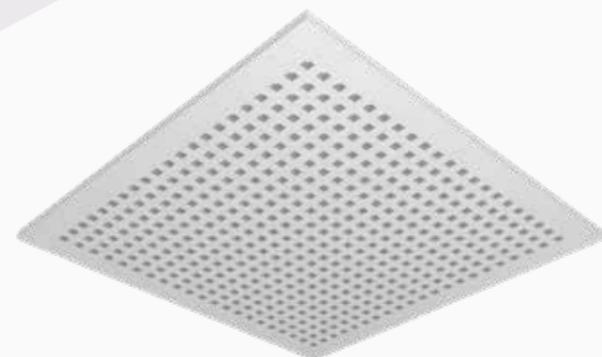
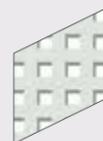
Open Area 18% - 18.5%

# SKYROCK® SOUNDBLOCK - Q12



VISIT USGME.COM TO ORDER SAMPLES

PATTERN



## FEATURES & BENEFITS

- 12mm Square perforation Gypsum Ceiling tiles with acoustic back fleece for high acoustic performance.
- Available in laminated and painted surface finish options.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

## APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls & residential

## TABLE OF PERFORMANCE

## SKYROCK® SOUNDBLOCK - Q12



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
			NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	GT-PS662-Q12	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PS622-Q12	600*1200*12.5								
	LG-S662-Q12	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-S622-Q12	600*1200*12.5								
SL	GT-PSR662-Q12	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PSR622-Q12	600*1200*12.5								
	LG-SR662-Q12	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SR622-Q12	600*1200*12.5								
FL	GT-PSRF662-Q12	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PSRF622-Q12	600*1200*12.5								
	LG-SRF662-Q12	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SRF622-Q12	600*1200*12.5								

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

## SPECIFICATION DETAILS

Soundblock Q12 Ceiling Tile meets specifications in accordance with ASTM E1264.

### Materials Classification

Type: XX,  
Pattern: A

### Substrate and Surface Finish

**Laminated:** Gypsum ceiling panel laminated with vinyl-faced

**Painted:** Gypsum ceiling panel finished with factory-applied water-based paint

### Thickness

12.5mm

### Size

600 x 600mm, 600 x 1200mm

### Edge Detail Trim

Square, Reveal [SL, FL]

### Weight

6.4 kg/m<sup>2</sup>

### Open Area

600 x 600mm: 18%

600 x 1200mm: 19.2%

### Noise Reduction Coefficient [NRC]

up to 0.75\*

### Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

### Humidity Resistance

Maximum 95% RH / 40°C

### Light Reflectance Coefficient [LR]

**Laminated:** 0.84

**Painted:** 0.88

### Color

**Laminated:** White similar to RAL 9003

**Painted:** Matt White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84

**Laminated:** Class A

**Painted:** Class A

### Thermal Resistance

R 0.45

### Washability / Scrubbability as per ASTM D4828 & D2486

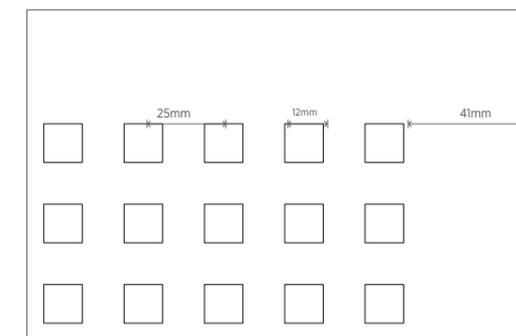
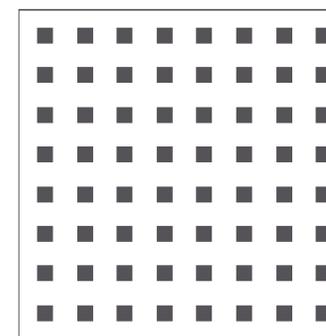
**Laminated:** Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

### Formaldehyde Classification

Class E1 as per EN717-1

\* Using factory applied acoustical backer. Higher acoustic value can be achieved with additional Fiber glass/Stone wool backer panel

## TILE AND EDGE DETAILS



Open Area 18% - 19.2%

# SKYROCK® PAINTED



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## FEATURES & BENEFITS

- Painted Gypsum Ceiling with acrylic emulsion matte finish for smooth and brighter surface.
- High humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions. Can be installed during early construction phase.
- Durable, scuff, and scratch resistant for longer life.
- High Light Reflectance (LR-0.88) reduces light fixtures & energy use.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand ceiling suspensions.

## APPLICATIONS

- Laboratories
- Commercial retails
- Restrooms and wet areas
- Department stores

## TABLE OF PERFORMANCE

## SKYROCK® PAINTED



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

Edge Detail	Item	Size (mm)	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	GT-BS6609	600*600*9.5	35	88%			7%	Low	\$
	GT-BS2209	610*610*9.5							
	GT-BS662	600*600*12.5	40	88%			7%	Low	\$\$
	GT-BS222	610*610*12.5							
	GT-BS622	600*1200*12.5	40	88%			7%	Low	\$\$
	GT-BS242	610*1220*12.5							
SL 	GT-BSR662	600*600*12.5	40	88%			7%	Low	\$\$
	GT-BSR222	610*610*12.5							
	GT-BSR622	600*1200*12.5	40	88%			7%	Low	\$\$
	GT-BSR242	610*1220*12.5							
FL 	GT-BSRF662	600*600*12.5	40	88%			7%	Low	\$\$
	GT-BSRF222	610*610*12.5							
	GT-BSRF622	600*1200*12.5	40	88%			7%	Low	\$\$
	GT-BSRF242	610*1220*12.5							

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

## SPECIFICATION DETAILS

Painted Gypsum Ceiling Tile meets specifications in accordance with ASTM E1264.

### Materials Classification

Type: XX,  
Pattern: G

### Substrate and Surface Finish

Gypsum ceiling panel finished with factory-applied water-based paint

### Thickness

9.5mm, 12.5mm

### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square, Reveal [SL, FL]

### Weight

9.5mm [6.65 kg/m<sup>2</sup>],  
12.5mm [8.75 kg/m<sup>2</sup>]

### Ceiling Attenuation Class [CAC]

[35-40]

### Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

### Humidity Resistance

Maximum 95% RH / 40°C

### Light Reflectance Coefficient [LR]

0.88

### Color

Matt White similar to RAL 9016

### Surface Burning Characteristics per ASTM E 84

Class A

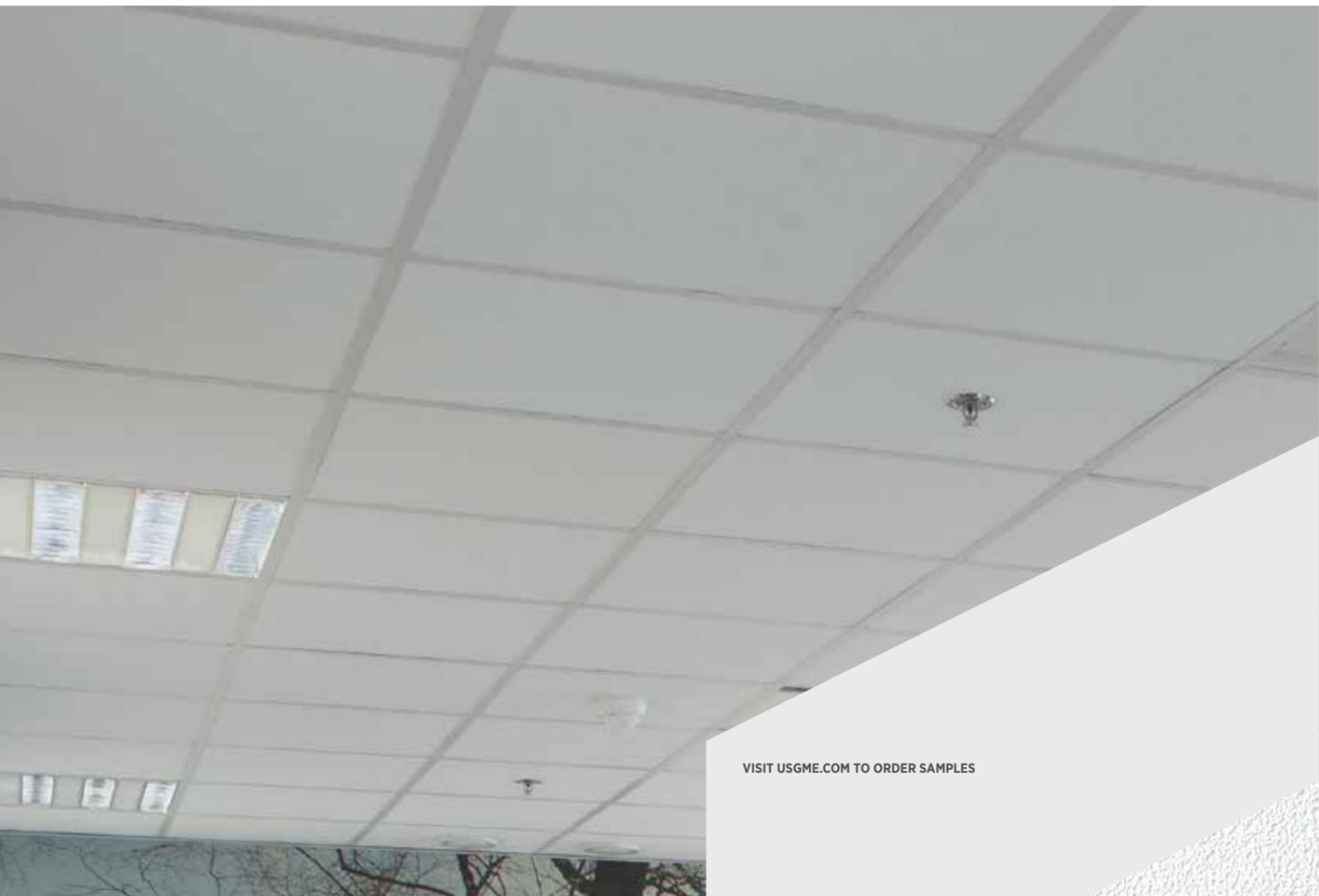
### Thermal Resistance

12.5mm [ R 0.45]

### Formaldehyde Classification

Class E1 as per EN717-1

# SKYROCK® SHADES



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## FEATURES & BENEFITS

- Laminated Gypsum Ceiling with washable vinyl facing for easy maintenance.
- Available in plain facings with smooth appearance.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Standard produced with aluminium foil backing which acts as a vapor barrier and resists breathing so panel stays cleaner longer.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand ceiling suspensions.

## APPLICATIONS

- Laboratories
- Commercial retails
- Restrooms and wet areas
- Department stores
- Kitchen, dietary and laundry

## TABLE OF PERFORMANCE

## SKYROCK® SHADES



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

Edge Detail	Item	Size (mm)	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	LG-S6609	600*600*9.5	35	84%			7%	Low	\$
	LG-S2209	610*610*9.5							
	LG-S662	600*600*12.5	40	84%			7%	Low	\$
	LG-S222	610*610*12.5							
	LG-S622	600*1200*12.5	40	84%			7%	Low	\$\$
	LG-S242	610*1220*12.5							
SL	LG-SR662	600*600*12.5	40	84%			7%	Low	\$\$
	LG-SR222	610*610*12.5							
	LG-SR622	600*1200*12.5	40	84%			7%	Low	\$\$
	LG-SR242	610*1220*12.5							
FL	LG-SRF662	600*600*12.5	40	84%			7%	Low	\$\$
	LG-SRF222	610*610*12.5							
	LG-SRF622	600*1200*12.5	40	84%			7%	Low	\$\$
	LG-SRF242	610*1220*12.5							

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

## SPECIFICATION DETAILS

Shades Gypsum Ceiling Tile meets specifications in accordance with ASTM E1264

### Materials Classification

Type: XX,  
Pattern: E, G

### Substrate and Surface Finish

Gypsum ceiling panel laminated with vinyl-faced

### Thickness

9.5mm, 12.5mm

### Size

600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square, Reveal [SL, FL]

### Weight

9.5mm [6.65 kg/m<sup>2</sup>],  
12.5mm [8.75 kg/m<sup>2</sup>]

### Ceiling Attenuation Class [CAC]

[35-40 dB]

### Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

### Humidity Resistance

Maximum 95% RH / 40°C

### Light Reflectance Coefficient [LR]

0.84

### Color

White similar to RAL 9003

### Surface Burning Characteristics per ASTM

E 84

Class A

### Thermal Resistance

12.5mm [ R 0.45]

### Washability / Scrubbability as per ASTM

D4828 & D2486

Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

### Formaldehyde Classification

Class E1 as per EN717-1

**SKYROCK®**

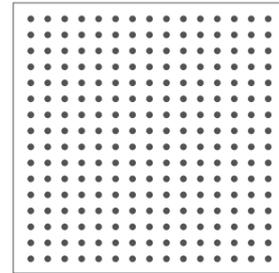
# SOUNDBLOCK PERFORATION PATTERNS

## SKYROCK® SOUNDBLOCK PERFORATION PATTERNS

Create synergy between acoustics and aesthetics!

USG Middle East will continue to be your preferred choice for all your ceiling needs. We develop and manufacture a range of acoustical ceilings with high-grade reinforced gypsum. With our team's collective experience in the construction industry, USG Middle East provides the latest industrial technical knowledge to meet your project requirements. Our Skyrock® Soundblock line is sustainable and uses environmentally friendly materials while guaranteeing excellent indoor comfort. Soundblock offers an extensive array of ceiling design solutions with high acoustic performance. Explore new architectural design possibilities with perfect acoustics with Soundblock Perforation Patterns.

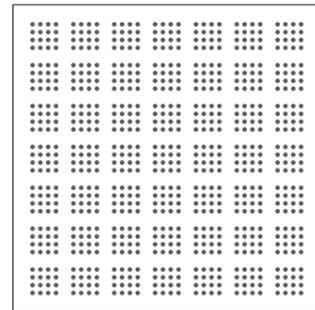
**SOUNDBLOCK - R6**



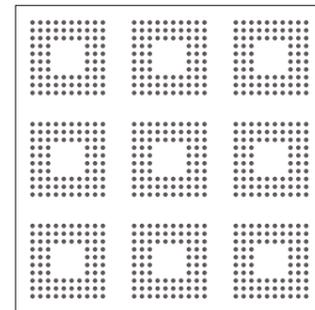
PATTERN SB1

600x600mm		600x1200mm	
Hole Diameter	6mm	Hole Diameter	6mm
Pitch	16mm	Pitch	16mm
Number of Holes	L: 34, W: 34	Number of Holes	L: 72, W: 34
Clearance	10mm	Clearance	10mm
Panel Size	593mm	Panel Size	1197mm
Open Area	9.2%	Open Area	9.8%
Border	29.5mm	Border	29.5mm

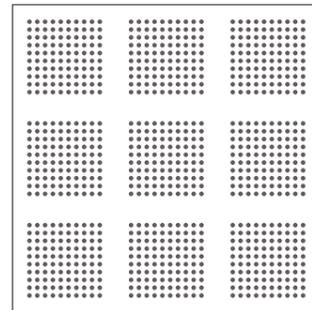
SOUNDBLOCK - R6  
ADDITIONAL  
PATTERNS



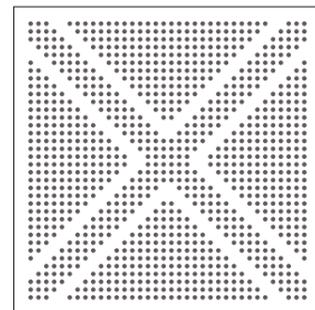
PATTERN SB2



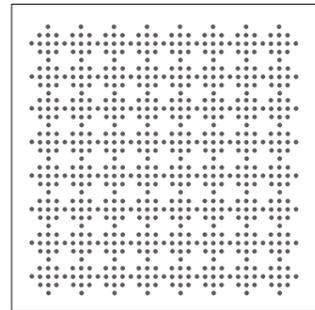
PATTERN SB3



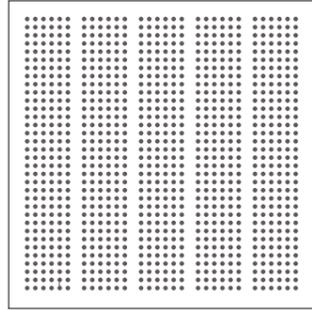
PATTERN SB4



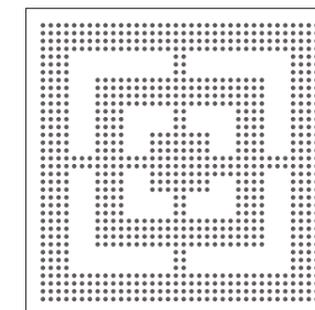
PATTERN SB5



PATTERN SB6

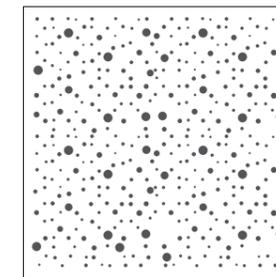


PATTERN SB7



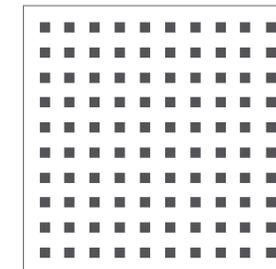
PATTERN SB8

**SOUNDBLOCK - R8-15-20**



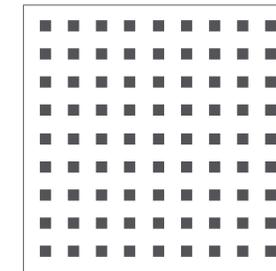
600x600mm		600x1200mm	
Hole Diameter	8, 15, 20mm	Hole Diameter	8, 15, 20mm
Pitch	-	Pitch	-
Number of Holes	R8: 321, R15: 110, R20: 71	Number of Holes	R8: 642, R15: 220, R20: 142
Clearance	-	Clearance	-
Panel Size	594mm	Panel Size	1194mm
Open Area	16.4%	Open Area	16.4%
Border	25.5mm	Border	25.5mm

**SOUNDBLOCK- Q3**



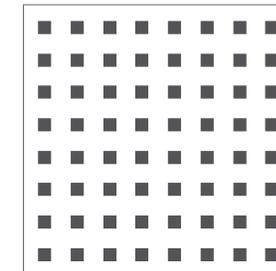
600x600mm		600x1200mm	
Hole Size	3mm x 3mm	Hole Size	3mm x 3mm
Pitch	8.33mm	Pitch	8.33mm
Number of Holes	L: 66, W: 66	Number of Holes	L: 138, W: 66
Clearance	5.33mm	Clearance	5.33mm
Panel Size	594mm	Panel Size	1194mm
Open Area	11.1%	Open Area	11.6%
Border	24.7mm	Border	24.7mm

**SOUNDBLOCK - Q9**



600x600mm		600x1200mm	
Hole Size	9mm x 9mm	Hole Size	9mm x 9mm
Pitch	20mm	Pitch	20mm
Number of Holes	L: 28, W: 28	Number of Holes	L: 58, W: 28
Clearance	11mm	Clearance	11mm
Panel Size	594mm	Panel Size	1194mm
Open Area	18%	Open Area	18.5%
Border	22.50mm	Border	22.50mm

**SOUNDBLOCK - Q12**

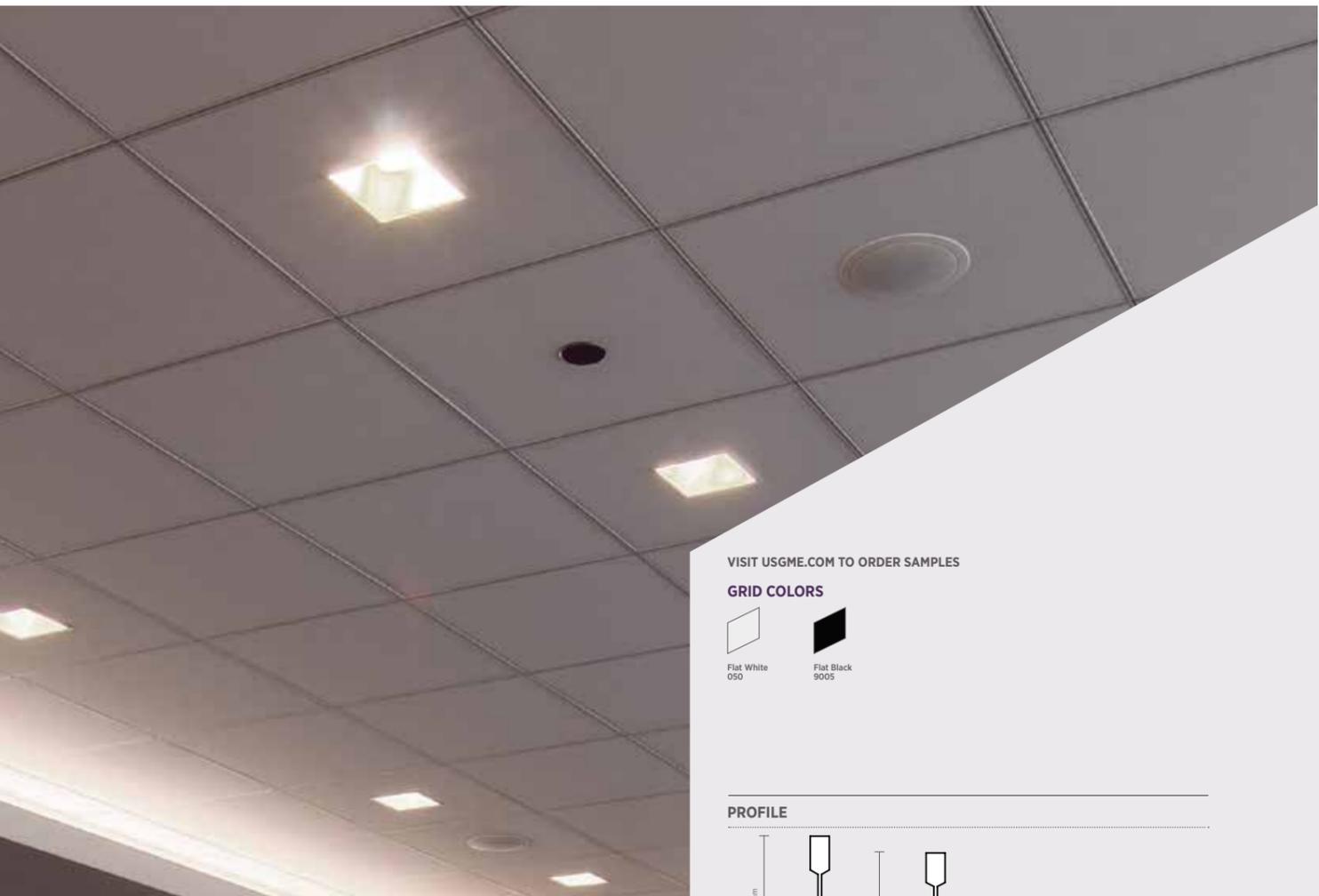


600x600mm		600x1200mm	
Hole Size	12mm x 12mm	Hole Size	12mm x 12mm
Pitch	25mm	Pitch	25mm
Number of Holes	L: 21, W: 21	Number of Holes	L: 45, W: 21
Clearance	13mm	Clearance	13mm
Panel Size	594mm	Panel Size	1194mm
Open Area	18%	Open Area	19.2%
Border	41mm	Border	41mm



## SUSPENDED CEILING GRID

# USG DONN® BRAND DXF® FINELINE® SUSPENSION SYSTEM



## FEATURES AND BENEFITS

- Narrow-profile, slotted grid system with 6.35mm reveal provides streamlined appearance.
- Reveal accommodates partition attachments and pendant-mounted light fixtures.
- Mitered intersections offer a clean, tailored appearance.
- Optional integrated air diffuser.
- Custom colors available.
- High recycled content (HRC) available.
- ICC-ES evaluated for seismic installations (ESR-1222).

## APPLICATIONS

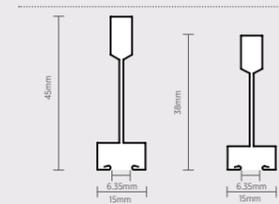
- Fire-rated interior general-use areas
- All interior general-use areas

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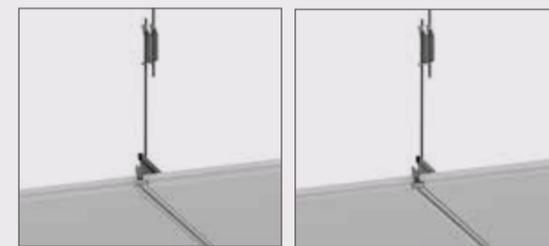
## GRID COLORS



## PROFILE



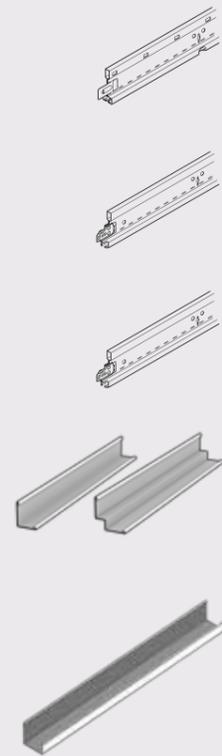
## EDGE DETAIL



FINELINE BEVELED - FLB

FINELINE - FL

## PRODUCT INFORMATION



## SUSPENSION OPTIONS

## PHYSICAL DATA

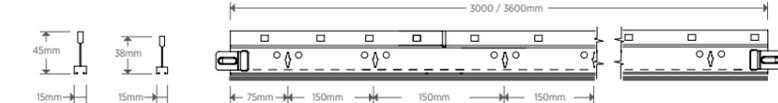
# USG DONN® BRAND DXF® FINELINE® SUSPENSION SYSTEM



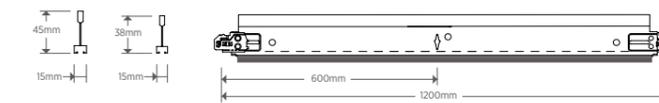
Description	Item Reference	Load*	Profile Height	Component Length
Main Runner	221DXBW01NZ	24KG/LM	45MM	3600/3660MM
	FLB3000HM	17.5KG/LM	38MM	3000MM
Long Cross Tee	221DXF003NZ	24KG/LM	45MM	1200/1220MM
	FLB1200HM-2	17.5KG/LM	38MM	1200MM
Short Cross Tee	221DXF004NZ	24KG/LM	45MM	600/610MM
	FLB600HM	17.5KG/LM	38MM	600MM
Wall Angle	802MT3600		24MM	3600MM
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	3000MM

\* Load of 4" hanger spacing in KG/LM and deflection limit of L/360

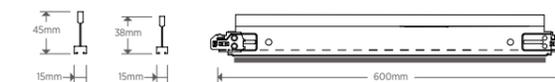
## Main Runner 221DXBW01NZ / FLB3000HM



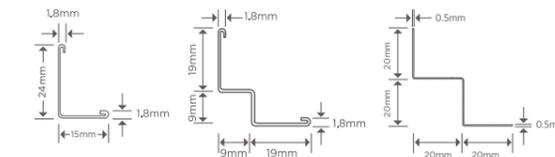
## Long Cross Tee 221DXF003NZ / FLB1200HM-2



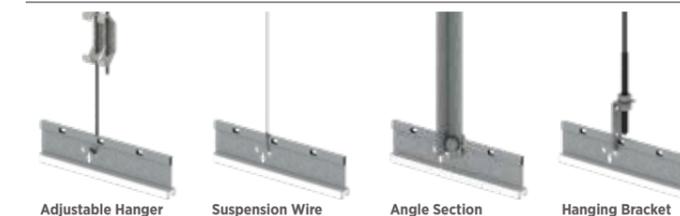
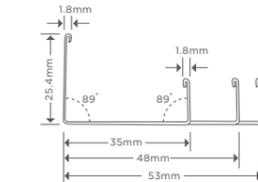
## Short Cross Tee 221DXF004NZ / FLB600HM



## Wall Angle



## U-Trim



## Material

Min. G30 pre-painted galvanized steel.

## Installation

Install according to ASTM C636, ASTM E580 and USG requirements.

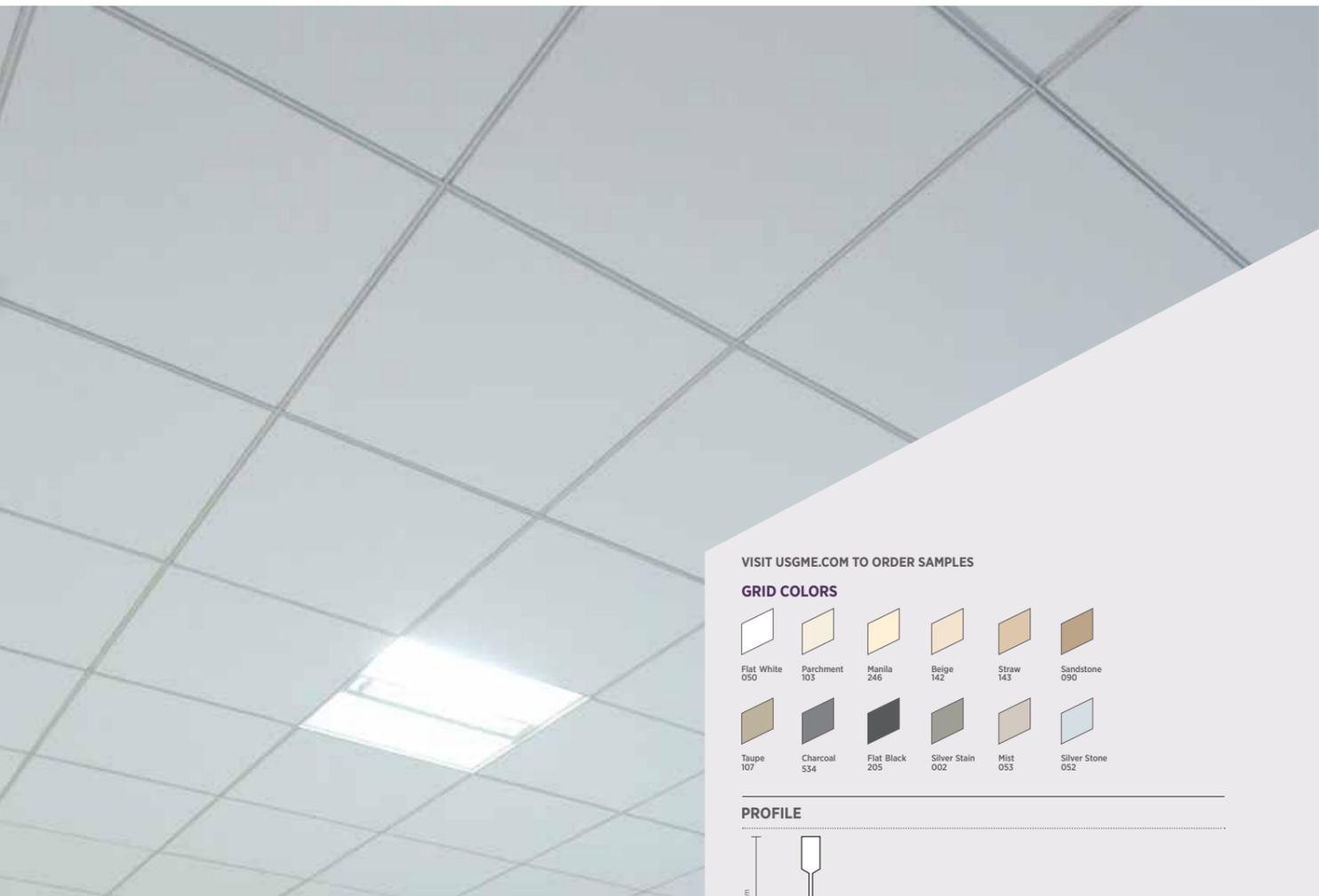
## Limitations

- For exposed grids in non-fire-rated, high-humidity applications, use USG Donn® Brand ZXLA™ painted suspension systems.
- For exterior applications, the suspension system should be reviewed by a structural engineer.

## ASTM Load Compliance

Classified as Light, Intermediate or Heavy Duty when tested in accordance with ASTM C635.

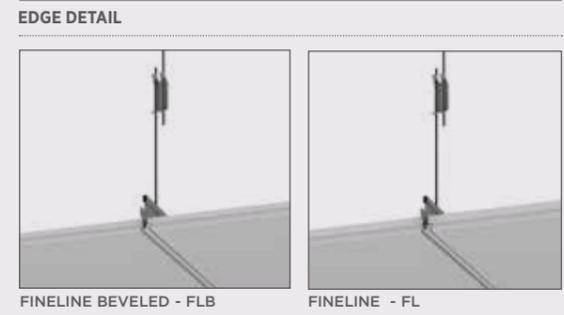
# USG DONN® BRAND DXI® IDENTITEE® SUSPENSION SYSTEM



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

**GRID COLORS**

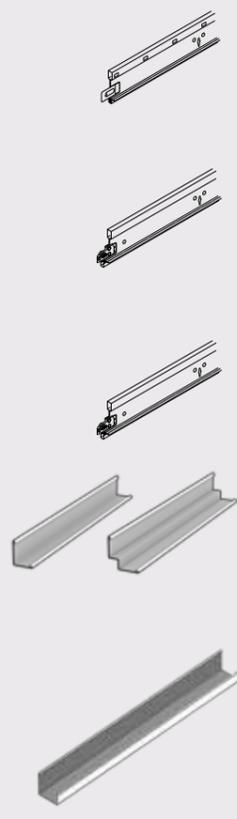
Flat White 050	Parchment 103	Manila 246	Beige 142	Straw 143	Sandstone 090
Taupe 107	Charcoal 534	Flat Black 205	Silver Stain 002	Mist 053	Silver Stone 052



- FEATURES AND BENEFITS**
- Narrow-profile grid system with double 3.175mm reveal.
  - Seamless reveal at intersections.
  - Meets or exceeds all national code requirements including seismic.
  - Compatible with USG Logix™ Integrated System.
  - Custom colors available.
  - ICC-ES evaluated for seismic installations (ESR-1222).
  - G30 hot-dipped galvanized steel body and cap inhibits red rust.
  - All USG Donn® Brand Identitee® DXI™ items have High Recycled Content (HRC).
  - Available in metric and imperial sizes.
  - Proprietary cap lance allows a variety of color and coating options to meet unique project requirements.
  - Comply with CDPH 01350 V.2-2017 for low VOC emission.

- APPLICATIONS**
- All interior general-use areas
  - USG Logix™ Integrated System

**PRODUCT INFORMATION**



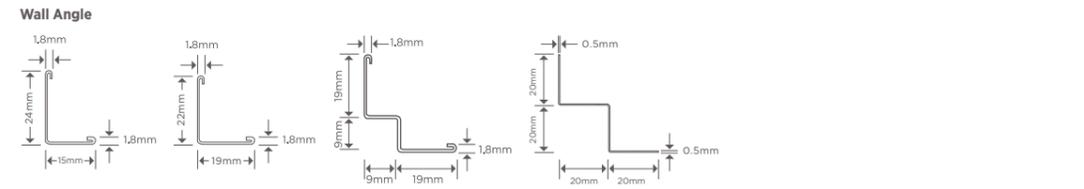
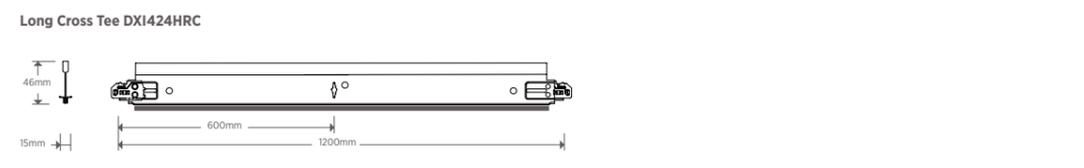
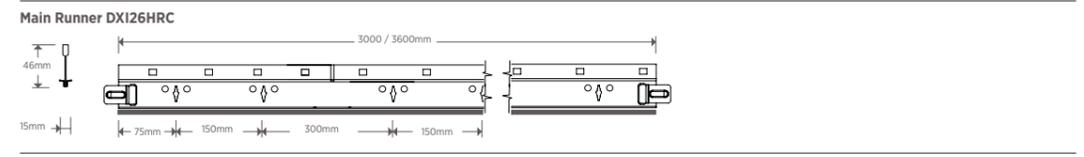
**SUSPENSION OPTIONS**

**PHYSICAL DATA**

## USG DONN® BRAND DXI® IDENTITEE® SUSPENSION SYSTEM

Description	Item Reference	Load*	Profile Height	Component Length
Main Runner	DXI26HRC	24KG/LM	46MM	3600/3660MM
Long Cross Tee	DXI424HRC	24KG/LM	46MM	1200/1220MM
Short Cross Tee	DXI224HRC	24KG/LM	46MM	600/610MM
Wall Angle	802MT3600		24MM	3600MM
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	3000MM

\* Load of 4" hanger spacing in KG/LM and deflection limit of L/360



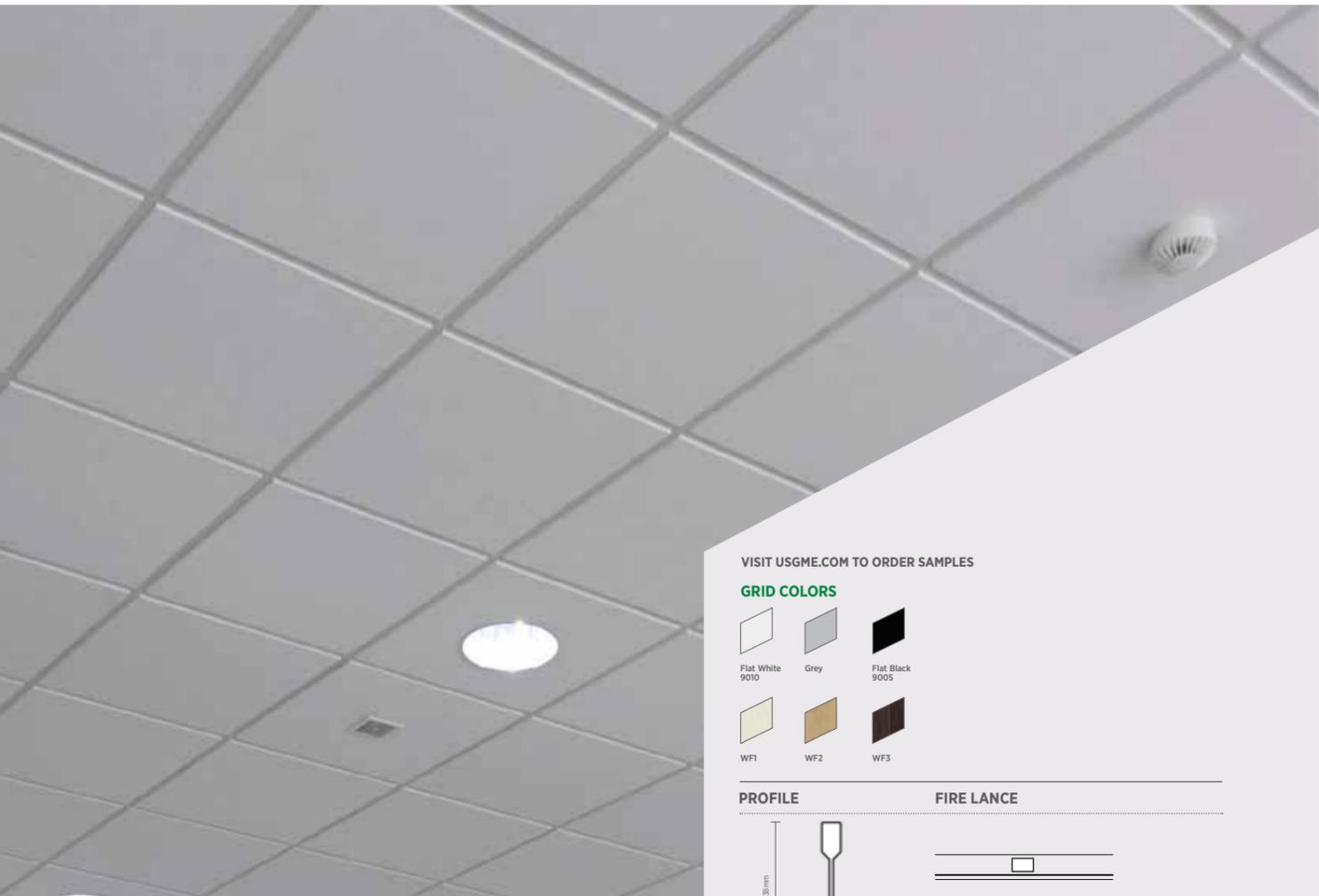
**Material**  
Min. G30 hot-dipped galvanized steel body and cap. Baked-on polyester paint.

**Installation**  
Install according to ASTM C636, ASTM E580 and USG requirements.

- Limitations**
- Please refer to USG Donn® Brand AX™ or ZCLA™ for exposed suspension systems in non-fire-rated, high-humidity applications.
  - Interior applications only.

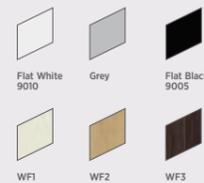
- Optional accessories**
- Face Sleeve Seismic expansion joints.
  - Intersection Sleeve for off-module intersection.

# USG ME DONN® BRAND DX®/DXL® T24 FIRE RATED SUSPENSION SYSTEM



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

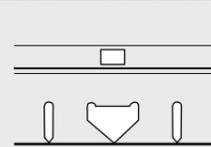
### GRID COLORS



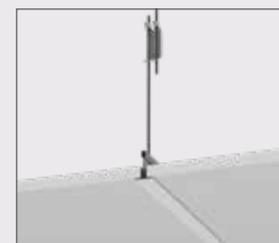
### PROFILE



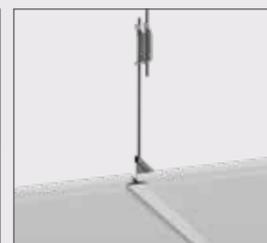
### FIRE LANCE



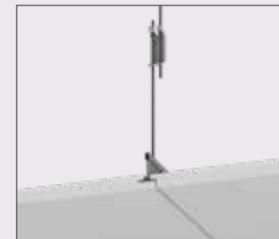
### EDGE DETAIL



SQUARE EDGE - SQ



SHADOWLINE TAPERED - SLT



CONCEALED EDGE (BESK, S-BESK, D-BESK)

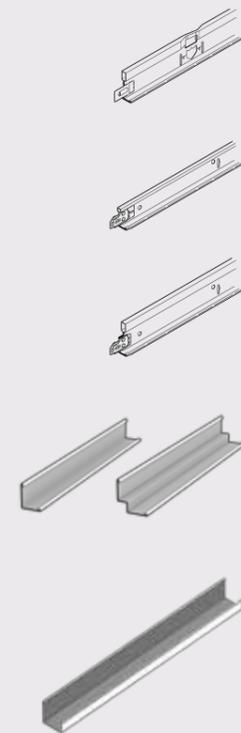
### FEATURES AND BENEFITS

- Main tees are designed to expand at the fire lance in the event of a fire. This maintains the structural integrity of the ceiling and holds tiles in place.
- DONN® Brand DX®/DXL™ T24 Heavy Duty - Fire Rated features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ASTM A653 with pre-painted 24mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Patented QUICK-RELEASE™ clip design: demountable without tools.
- Compatible with Square, SLT, and Concealed ceiling tile edges.
- Audible Click means you know when tees are connected.
- Exceeds load compliance specifications as per ASTM C 635.
- Available in metric and imperial sizes.

### APPLICATIONS

- Fire-rated interior general-use area

### PRODUCT INFORMATION



### SUSPENSION OPTIONS

### MAXIMUM ALLOWED OF TILES WEIGHT KG PER M<sup>2</sup>\*\*

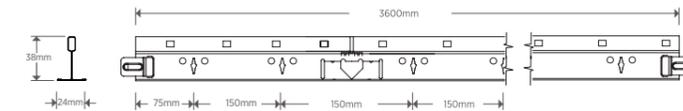
## USG ME DONN® BRAND DX®/DXL® T24 FIRE RATED SUSPENSION SYSTEM



Description	Item Reference		Profile Height	Body Thickness	Component Length	Reaction To Fire*
	Metric	Imperial				
Main Runner	801DXL3600	801DXL3660	38MM	0.38MM	3600/3660MM	Class A
Long Cross Tee	803DX1200H38	803DX1220H38	38MM	0.30MM	1200/1220MM	Class A
Short Cross Tee	804DX600H38	804DX610H38	38MM	0.30MM	600/610MM	Class A
Wall Angle	802MT3600		22MM	0.50MM	3600MM	Class A
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.50MM	3600MM	Class A
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.50MM	3000MM	Class A

\* As per EN 1364 : 2014 and EN 13501-1 : 2018

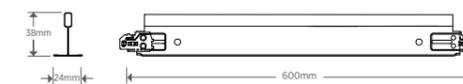
### Main Runner 801DXL3600



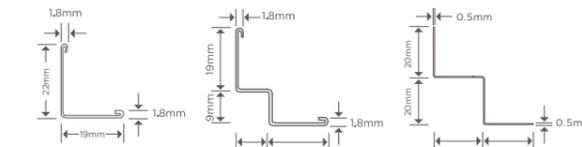
### Long Cross Tee 803DX1200H38



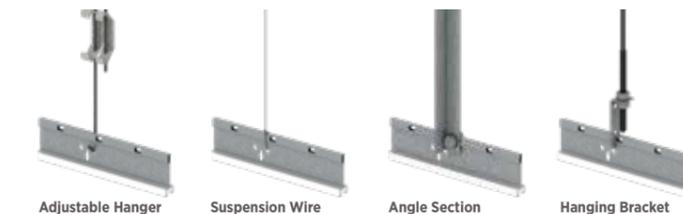
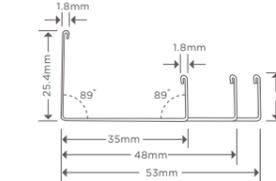
### Short Cross Tee 804DX600H38



### Wall Angle



### U-Trim



### DXLH38 - T24 - Minimum Load - Carrying Capabilities of Main Runners

Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	79.45	260.5	0.339	L/360
1200	44.68	146.5	0.339	L/360
1500	35.75	117.2	0.339	L/360

\*\* The load per m<sup>2</sup> must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

Please consult USG ME for layouts, load or hanger distance.

# USG ME DONN® BRAND DX®/DXL® T15 CENTRICITEE- FIRE RATED SUSPENSION SYSTEM



## FEATURES AND BENEFITS

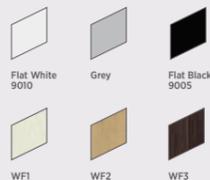
- Main tees are designed to expand at the fire lance in the event of a fire. This maintains the structural integrity of the ceiling and holds tiles in place.
- DONN® Brand DX®/DXL™ T15 Centricitee - Fire Rated features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ASTM A653 with pre-painted 15mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Patented QUICK-RELEASE™ clip design: demountable without tools.
- Compatible with Square, SLT, and Concealed ceiling tile edges.
- Audible Click means you know when tees are connected.
- Exceeds load compliance specifications as per ASTM C 635.
- Available in metric and imperial sizes.

## APPLICATIONS

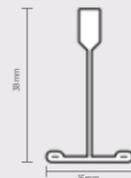
- Fire-rated interior general-use areas
- Logix™ Integrated Ceiling Systems

VISIT USGME.COM TO ORDER SAMPLES

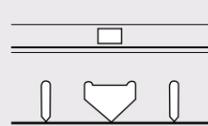
### GRID COLORS



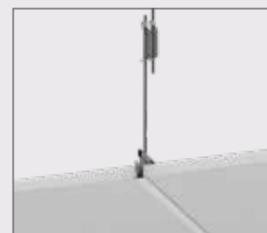
### PROFILE



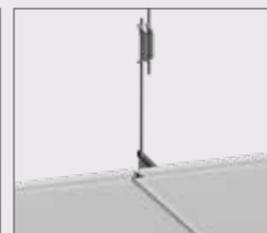
### FIRE LANCE



### EDGE DETAIL



SQUARE EDGE - SQ

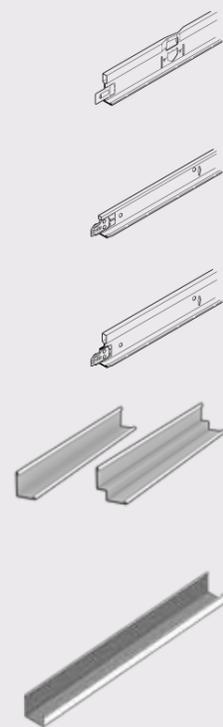


FINELINE BEVELED - FLB



FINELINE - FL

## PRODUCT INFORMATION



## SUSPENSION OPTIONS

### MAXIMUM ALLOWED OF TILES WEIGHT KG PER M<sup>2</sup>\*\*

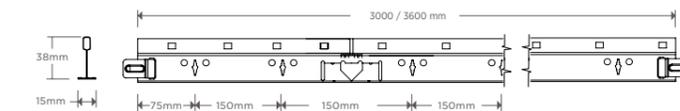
# USG ME DONN® BRAND DX®/DXL® T15 CENTRICITEE- FIRE RATED SUSPENSION SYSTEM



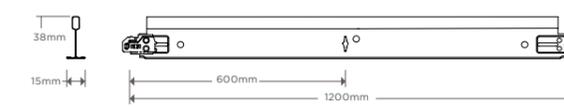
Description	Item Reference		Profile Height	Body Thickness	Component Length	Reaction To Fire*
	Metric	Imperial				
Main Runner	801DXLT15-3600	8801DXLT15-3660	38MM	0.38MM	3600/3660MM	Class A
Long Cross Tee	803DXT15-1200H38	803DXT15-1220H38	38MM	0.30MM	1200/1220MM	Class A
Short Cross Tee	803DXT15-600H38	803DXT15-610H38	38MM	0.30MM	600/610MM	Class A
Wall Angle	802MT15-3600		24MM	0.50MM	3600MM	Class A
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.50MM	3600MM	Class A
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.50MM	3000MM	Class A

\* As per EN 1364 : 2014 and EN 13501-1 : 2018

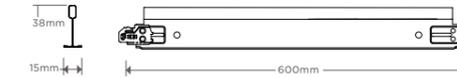
### Main Runner 801DXLT15-3600



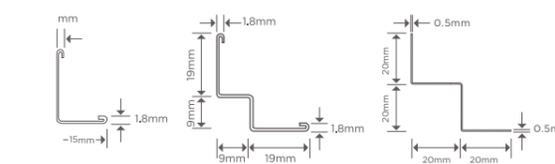
### Long Cross Tee 803DXT15-1200H38



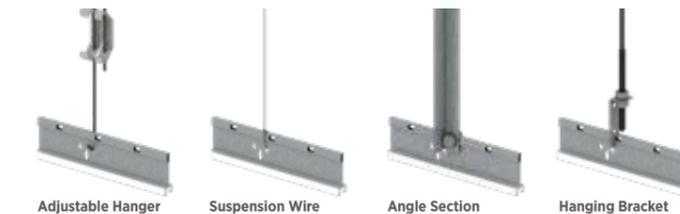
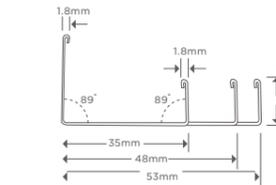
### Short Cross Tee 803DXT15-600H38



### Wall Angle



### U-Trim



DXL H38- T15 - Minimum Load - Carrying Capabilities of Main Runners				
Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	72.01	236.1	0.339	L/360
1200	40.50	132.8	0.339	L/360
1500	32.40	106.2	0.339	L/360

\*\* The load per m<sup>2</sup> must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

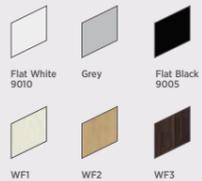
Please consult USG ME for layouts, load or hanger distance.

# USG ME DONN® BRAND DXH® 38 T24 SUSPENSION SYSTEM



VISIT USGME.COM TO ORDER SAMPLES

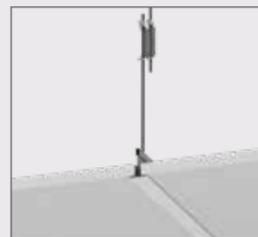
### GRID COLORS



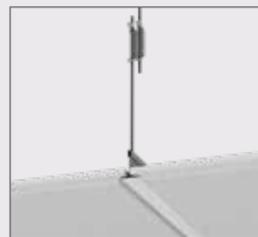
### PROFILE



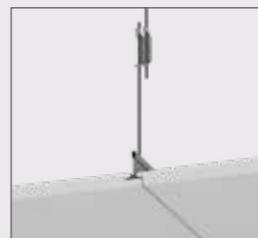
### EDGE DETAIL



SQUARE EDGE - SQ



SHADOWLINE TAPERED - SLT



CONCEALED EDGE (BESK, S-BESK, D-BESK)

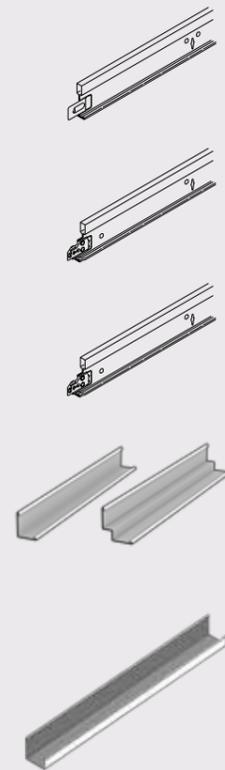
### FEATURES AND BENEFITS

- DONN® Brand DXH® 38 T24 Heavy Duty features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ASTM A653 with pre-painted 24mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Patented QUICK-RELEASE™ clip design: demountable without tools.
- Compatible with Square, SLT, and Concealed ceiling tile edges.
- Audible Click means you know when tees are connected.
- Exceeds load compliance specifications as per ASTM C 635.
- Available in metric and imperial sizes.

### APPLICATIONS

- Interior general-use areas

### PRODUCT INFORMATION



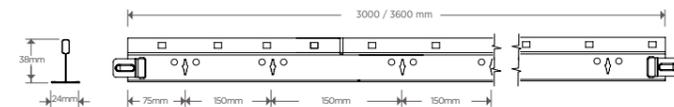
### SUSPENSION OPTIONS

## USG ME DONN® BRAND DXH® 38 T24 SUSPENSION SYSTEM

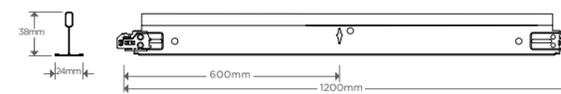


Description	Item Reference		Profile Height	Body Thickness	Component Length
	Metric	Imperial			
Main Runner	801DX3600H38	801DX3660H38	38MM	0.30MM	3600/3660MM
Long Cross Tee	803DX1200H38	803DX1220H38	38MM	0.30MM	1200/1220MM
Short Cross Tee	804DX600H38	804DX610H38	38MM	0.30MM	600/610MM
Wall Angle	802MT3600		22MM	0.50MM	3600MM
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.50MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.50MM	3000MM

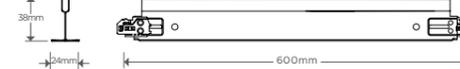
#### Main Runner 801DX3600H38



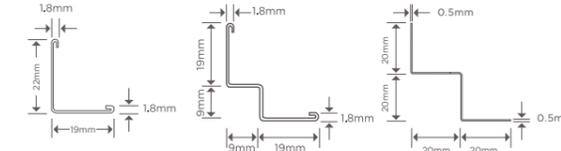
#### Long Cross Tee 803DX1200H38



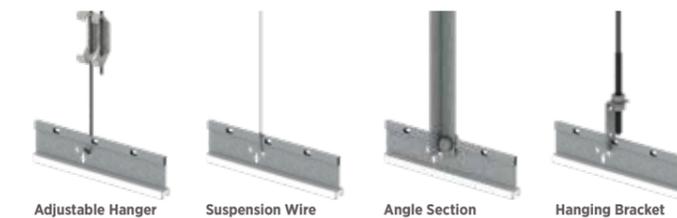
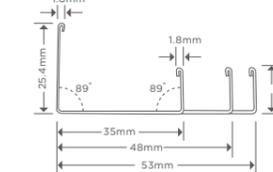
#### Short Cross Tee 804DX600H38



#### Wall Angle



#### U-Trim



### DXH 38 - T24 - Minimum Load - Carrying Capabilities of Main Runners

Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	66.43	217.8	0.339	L/360
1200	37.36	122.5	0.339	L/360
1500	29.89	98.0	0.339	L/360

\* The load per m<sup>2</sup> must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

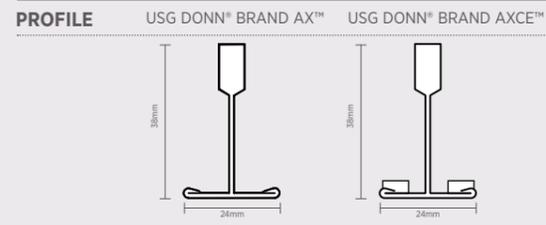
Please consult USG ME for layouts, load or hanger distance.

# USG DONN® BRAND AX™/AXCE™ SUSPENSION SYSTEM (ALUMINIUM)



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

### GRID COLORS



### EDGE DETAIL



SQUARE EDGE - SQ

SHADOWLINE TAPERED - SLT

### PRODUCT INFORMATION



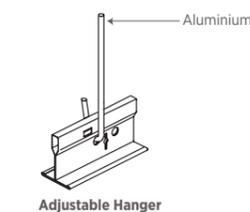
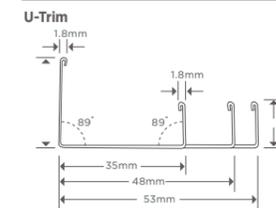
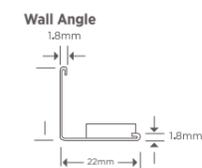
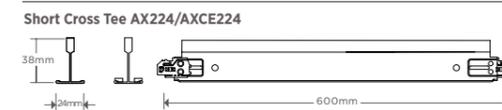
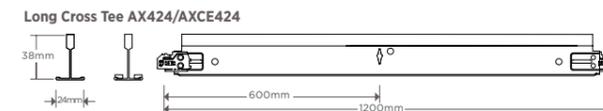
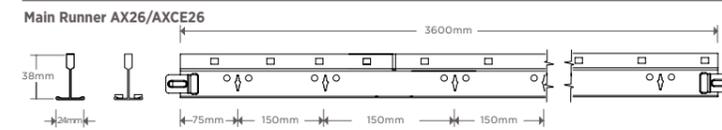
### SUSPENSION OPTIONS

### PHYSICAL DATA

## USG DONN® BRAND AX™/AXCE™ SUSPENSION SYSTEM (ALUMINIUM)

Description	Item Reference	Load*	Profile Height	Component Length
Main Runner	AX26/AXCE26	10.5KG/LM	38MM	3600/3660MM
Long Cross Tee	AX424/AXCE424		38MM	1200/1220MM
Short Cross Tee	AX224/AXCE224		38MM	600/610MM
Wall Angle	M7A/ M7ACE		22MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	3000MM

\* Load of 4" hanger spacing in KG/LM and deflection limit of L/360



### Material

Double-web aluminium tee with aluminium cap and stainless steel Quick-Release™ clip. Baked-on polyester paint or powder-coated finish.

### Installation

Install according to ASTM C636, ASTM E580 and USG requirements.

### Limitations

- Non-fire-rated applications only. Finish is not UV-resistant; should not be installed with direct exposure to sun or weather.
- Indirect exposure to severe environmental conditions may shorten the lifespan of the product.
- The gasket face applied to USG Donn® Brand AXCE™ contains a protective strip that must be removed prior to panel installation.
- The standard gasket is not recommended for installations with metal panels.
- If metal panels are desired, a special gasket suitable for metal panels may be applied to the USG Donn® Brand DXACE™ suspension system through special order.

### ASTM Load Compliance

Classified as Light, Intermediate or Heavy Duty when tested in accordance with ASTM C635.

# USG DONN® BRAND CE® SUSPENSION SYSTEM

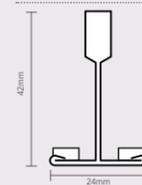


VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

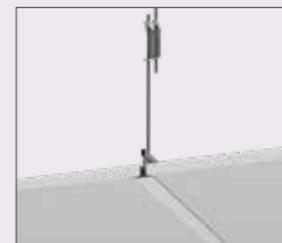
## GRID COLORS



## PROFILE



## EDGE DETAIL



SQUARE EDGE - SQ

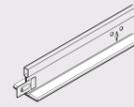
## FEATURES AND BENEFITS

- Meets 2018 Guidelines for Healthcare Facilities.
- Grid system with factory-applied white, closed-cell foam gaskets for controlled-environments.
- Min. G30 hot-dipped galvanized body provides corrosion protection.
- Supports Clean Room HEPA filters and lights.
- ICC-ES evaluated for building code compliance and seismic installations (ICC-ESR-1222).
- Capable of withstanding cleaning and/or disinfecting chemicals as tested in accordance with ASTM D402.

## APPLICATIONS

- Clean Rooms
- Hospitals
- Food processing areas
- Healthcare facilities, restricted and semi-restricted areas
- Certified to meet ISO 14644-1 Class 5-8 (Fed. Standard 209E Class 100-100,000)

## PRODUCT INFORMATION



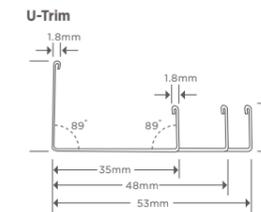
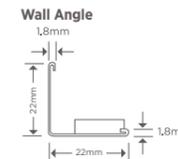
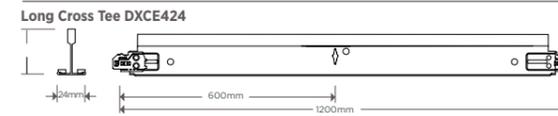
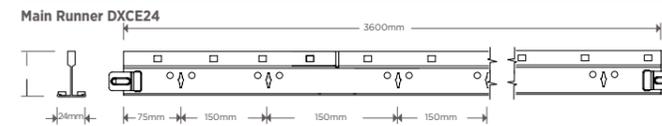
## SUSPENSION OPTIONS

## PHYSICAL DATA

# USG DONN® BRAND CE® SUSPENSION SYSTEM

Description	Item Reference	Load *	Profile Height	Component Length
Main Runner	DXCE24	17.75KG/LM	42MM	3600/3660MM
Long Cross Tee	DXCE424		38MM	1200/1220MM
Short Cross Tee	DXCE224		38MM	600/610MM
Wall Angle	M7CE		22MM	3660MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	3000MM

\* Load of 4" hanger spacing in KG/LM and deflection limit of L/360



## Material

Min. G30 hot-dipped galvanized steel body and cap. Baked-on polyester paint.

## Installation

Install according to ASTM C636, ASTM E580 and USG requirements. Class 5-8 (Fed. Standard 209E Class 100-100,000) installations require hold-down clips. Install a L15 hold-down clip within 76mm of each panel corner. For a 610mm x 1220mm system install an additional L15 hold-down clip centered on the 1220mm side. Border panels shall have a C-8 hold-down clip within 76mm of each panel corner. For a 610mm x 1220mm system install an additional C-8 hold-down clip centered on the 1220mm side. Alternative assemblies and installation methods may be utilized when approved by the authority having jurisdiction.

## Limitations

- Interior applications only.
- The gasket face contains a protective strip that must be removed prior to panel installation.
- The standard gasket is not recommended for installations with metal panels.
- If metal panels are desired, a special gasket suitable for metal panels may be applied to the USG Donn® Brand CE™ Acoustical Suspension System through special order.

## ASTM Load Compliance

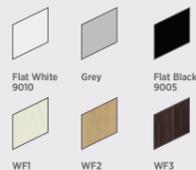
Classified as Light, Intermediate or Heavy Duty when tested in accordance with ASTM C635.

# USG ME DONN® BRAND DX®/DXH® 33 T24 SUSPENSION SYSTEM



VISIT USGME.COM TO ORDER SAMPLES

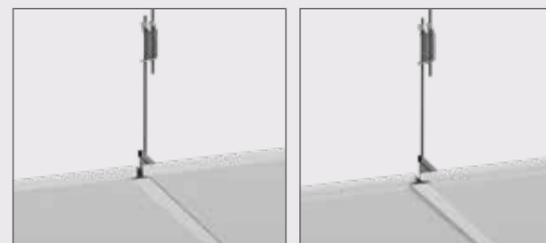
### GRID COLORS



### PROFILE



### EDGE DETAIL



SQUARE EDGE - SQ

SHADOWLINE TAPERED - SLT

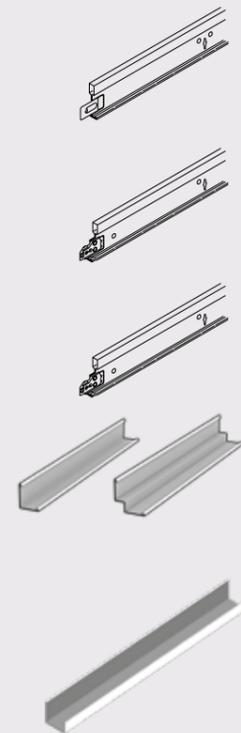
### FEATURES AND BENEFITS

- DONN® Brand DX®/DXH® 33 T24 features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ ASTM A653 with pre-painted 24mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Patented QUICK-RELEASE™ clip design: demountable without tools.
- Compatible with Square and SLT ceiling tiles edges.
- Audible Click means you know when tees are connected.
- Exceeds load compliance specifications as per ASTM C 635.
- Available in metric and imperial sizes.

### APPLICATIONS

- Interior general-use areas
- Logix™ Integrated Ceiling Systems

### PRODUCT INFORMATION



### SUSPENSION OPTIONS

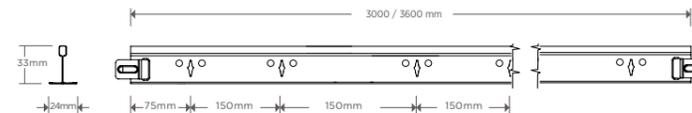
## USG ME DONN® BRAND DX®/DXH® 33 T24 SUSPENSION SYSTEM



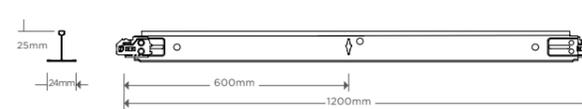
Description	Metric	Item Reference Imperial	Profile Height	Body Thickness	Component Length	Reaction To Fire*
Main Runner	801DX3600H33	DX3660H33	33MM	0.30MM	3600/3660MM	Class A
Long Cross Tee	803DX1200H25	803DX1220H25	25MM	0.30MM	1200/1220MM	Class A
Short Cross Tee	803DX600H25	803DX610H25	25MM	0.30MM	600/610MM	Class A
Wall Angle	802MT3600		22MM	0.50MM	3600MM	Class A
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.50MM	3600MM	Class A
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.50MM	3000MM	Class A

\* As per EN 1364 : 2014 and EN 13501-1 : 2018

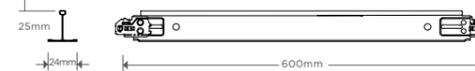
### Main Runner 801DX3600H33



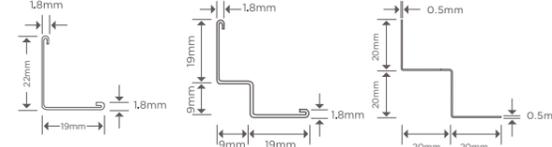
### Long Cross Tee 803DX1200H25



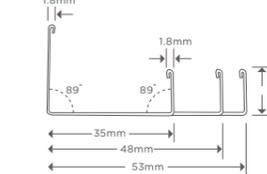
### Short Cross Tee 803DX600H25



### Wall Angle



### U-Trim



Adjustable Hanger

Suspension Wire

Angle Section

Hanging Bracket

### MAXIMUM ALLOWED OF TILES WEIGHT KG PER M<sup>2</sup>\*\*

### DXH 33 - T24 - Minimum Load - Carrying Capabilities of Main Runners

Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	45.90	150.5	0.339	L/360
1200	25.82	84.7	0.339	L/360
1500	20.65	67.7	0.339	L/360

\* The load per m<sup>2</sup> must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

Please consult USG ME for layouts, load or hanger distance.

# USG ME BRAND QUADRA T24 SAFE CEILING CARRIER



VISIT [USGME.COM](http://USGME.COM) TO ORDER SAMPLES

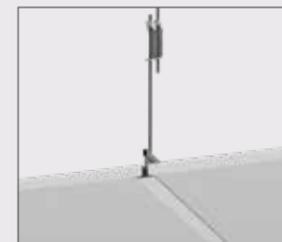
## GRID COLORS



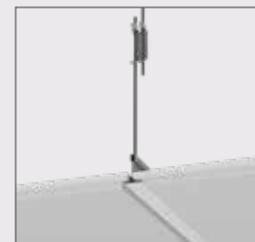
## PROFILE



## EDGE DETAIL



SQUARE EDGE - SQ



SHADOWLINE TAPERED - SLT

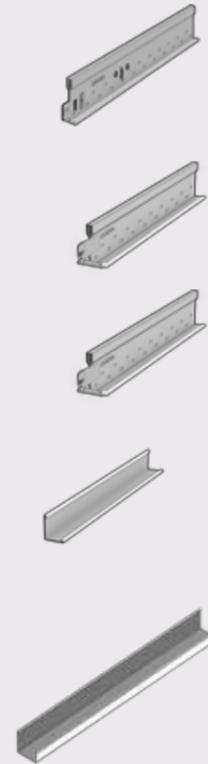
## FEATURES AND BENEFITS

- USG ME Brand QUADRA T24 Safe Ceiling Carrier features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ ASTM A653 with pre-painted 24mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Compatible with Square, SLT ceiling tile edges.
- Exceeds load compliance specifications as per ASTM C 635.
- Tees are stitched on the web for additional load bearing capacity.
- Available in metric and imperial sizes.

## APPLICATIONS

- Interior general-use areas

## PRODUCT INFORMATION



## SUSPENSION OPTIONS

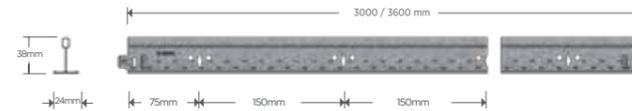
## MAXIMUM ALLOWED OF TILES WEIGHT KG PER M<sup>2</sup>\*\*

## USG ME BRAND QUADRA T24 SAFE CEILING CARRIER

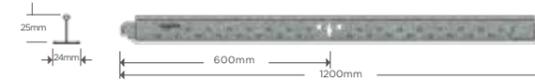


Description	Item Reference		Profile Height	Body Thickness	Component Length
	Metric	Imperial			
Main Runner	801Q3600H38	Q3660H38	38MM	0.28MM	3600/3660MM
Long Cross Tee	803Q1200H25	Q1220H25	24.5MM	0.28MM	1200/1220MM
Short Cross Tee	804Q600H25	Q610H25	24.5MM	0.28MM	600/610MM
Wall Angle	802MT3600		22MM	0.4MM	3600MM
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.4MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.4MM	3000MM

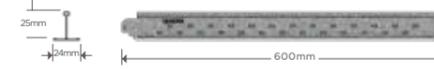
### Main Runner 801Q3600H38/Q3660H38



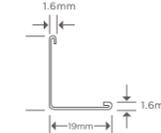
### Long Cross Tee 803Q1200H25/Q1220H25



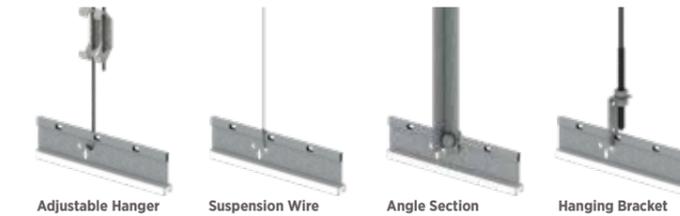
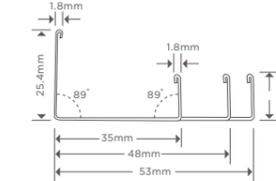
### Short Cross Tee 804Q600H25/Q610H25



### Wall Angle



### U-Trim



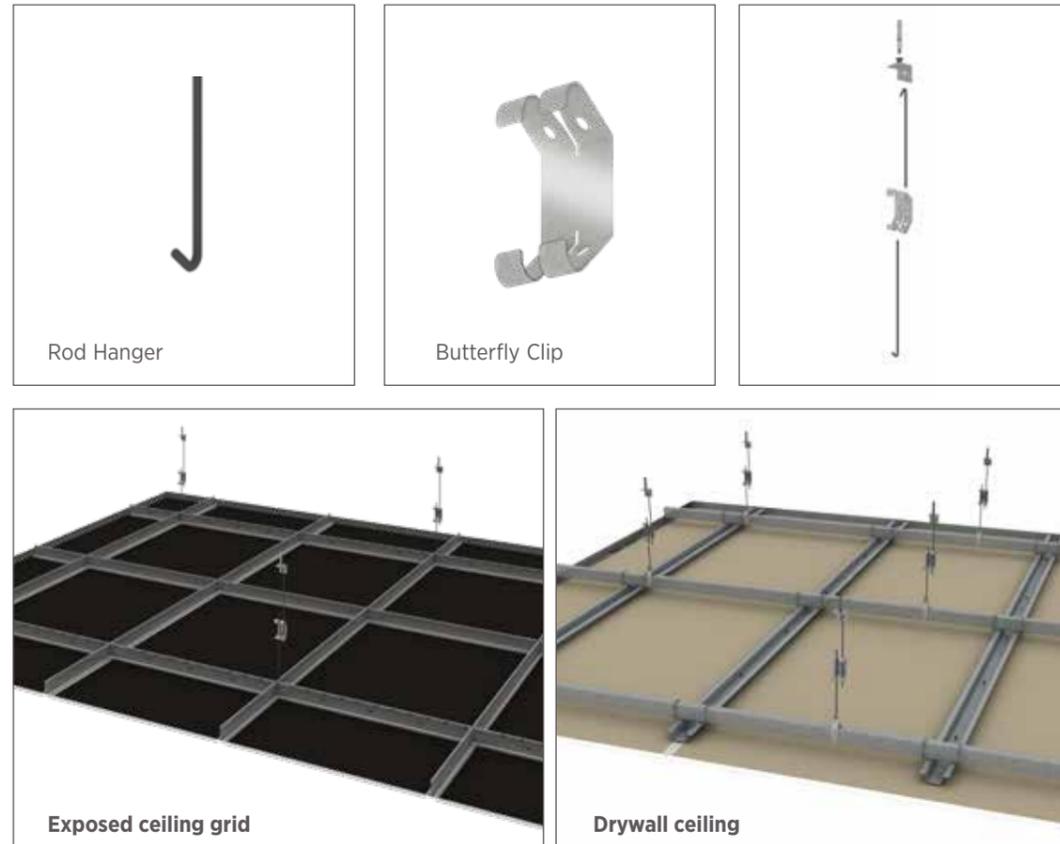
## DX QUADRA - T24 - Minimum Load - Carrying Capabilities of Main Runners

Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	61.71	202.3	0.339	L/360
1200	34.71	113.8	0.339	L/360
1500	27.77	91.0	0.339	L/360

\* The load per m<sup>2</sup> must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

Please consult USG ME for layouts, load or hanger distance.

# ROD HANGER & ADJUSTABLE BUTTERFLY CLIP



**DESCRIPTION** Adjustable rod hanger system consists of top and bottom rod hangers with butterfly adjustment clip. The system is used to hang the suspension systems for the exposed ceiling grid and Drywall ceiling.

- MATERIALS**
- Rod Hangers:**
- Made from Galvanized Carbon Steel Wire
  - Zinc Coating by Hot-Dip Process
  - Wire Diameter 2.67, 3.5 and 3.75 mm
  - Dynamic Load 250 N
  - Length 250 mm to 3000 mm

- Adjustable Butterfly Clip:**
- Stainless steel SUS 304H 0.5 mm (Gauge 25) thick Spring Steel
  - Size: 18 mm x 30 mm x 55 mm
  - Holes Diameter: 4 mm

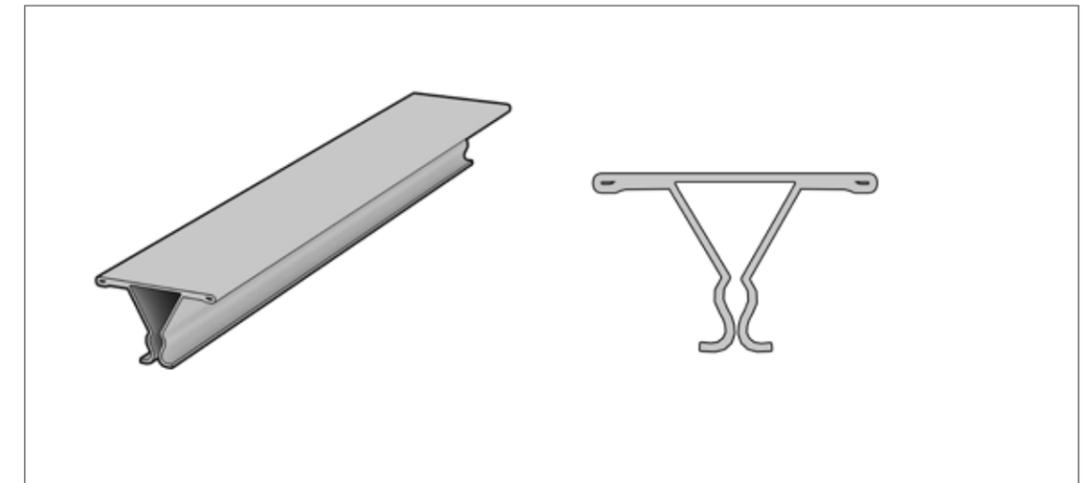
Rod Hangers Diameter (mm)	Section Area (mm <sup>2</sup> )	Yield Strength (N/mm <sup>2</sup> )	Steel Mechanical Properties Tensile Strength (N/mm <sup>2</sup> )	Elongation (%)	Coating Weight (gms/m <sup>2</sup> )
2.67	5.599	275-300	410.0	21.0	125.0
3.50	9.621	275-300	414.0	21.0	125.0
3.75	11.044	275-300	436.0	21.0	125.0

- NUMBER OF HANGERS PER 100 M<sup>2</sup>**
- Space at 1200 x 1200mm 70 Sets for 100m<sup>2</sup> exposed ceiling grid.
  - Space at 1200 x 600mm 140 Sets for 100m<sup>2</sup> exposed ceiling grid.

- PACKAGING**
- Top and Bottom Hanger 100 Pcs./ Bundle.
  - Adjustable Butterfly Clip 500 Pcs./Box.

- STORAGE**
- Keep away from water, dust, and fire.
  - Protect from corrosive chemicals.

# SPRING T FOR METAL CEILING PANELS



**PRODUCT CATEGORY**

Spring T Channels are concealed and attached to main primary channels through wire connecting clips. Their main role is to clamp the edge of the ceiling panels tightly at a defined interval.

**DIMENSIONS**

- Thickness:** 0.50, 0.55 and 0.60 mm
- Length:** 3,000 mm standard
- Width:** 41.6 mm
- Height:** 41.6 x 25 mm

**MATERIAL PROPERTIES**

Yield stress, FY 33 ksi Ultimate, with G40-G90 Zinc coating

**ASTM & CODE STANDARDS**

- Spring T Channels are produced to meet or exceed ASTM C635
- Galvanized sheet steel meets or exceeds requirements of ASTM A-653

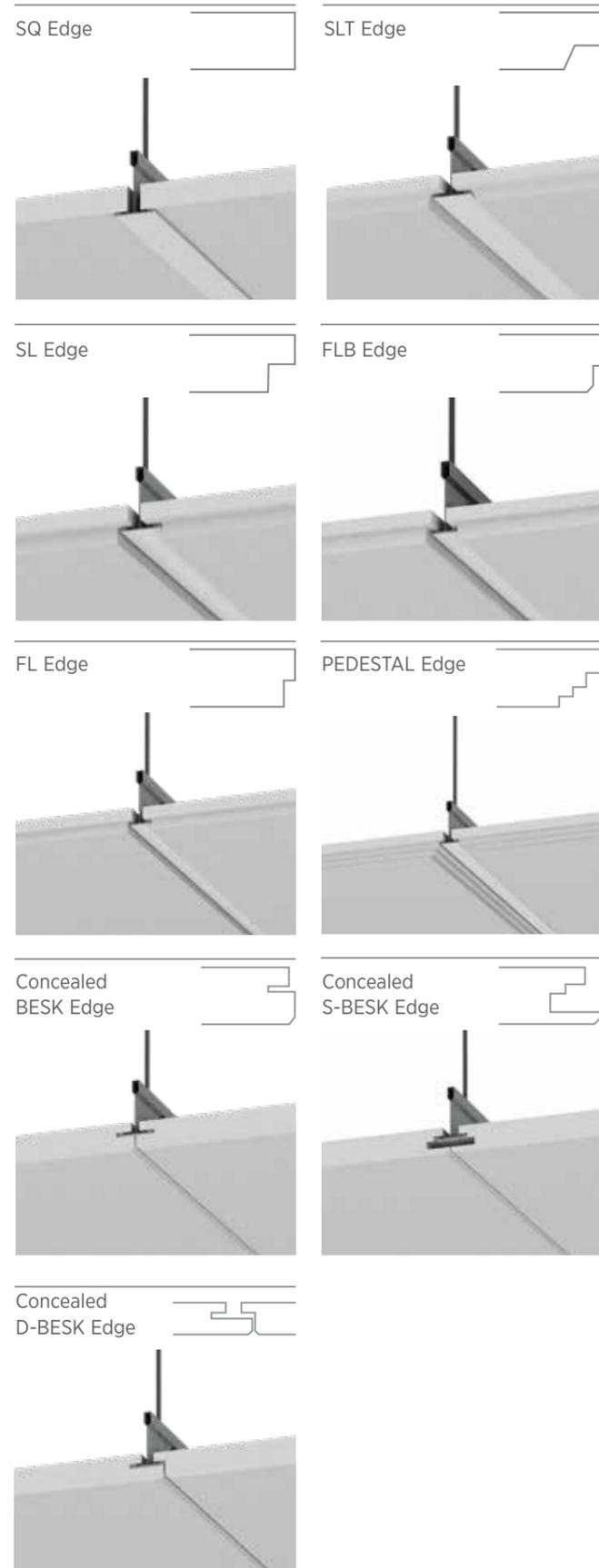
**SECTION & MATERIAL PROPERTIES TABLE NOTES**

Type	Thickness (mm)	Spring T Cross Section Height (mm)	Spring T Depth (mm)	Section Area (mm <sup>2</sup> )	Centroid (mm)	Moment of inertia(Ixx) (mm <sup>4</sup> )	Section Modulus (Sx)(mm <sup>3</sup> )	Radius of Gyration (mm)	Steel Mechanical Properties		
									Yield strength N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>	Elongation (%)
Spring T	0.50	41.60	25	63	8.75	5,062.00	289.15	8.96	297-308	366-372	29-30
	0.55			69.3	8.76	5,524.00	315.80	8.93	297-308	366-372	30-31
	0.60			75.6	8.76	5,978.00	342.13	8.89	297-308	366-372	30-31



GREAT  
DESIGNS  
FOR ALL  
APPLICATIONS

## EDGE DETAILS



## ACOUSTICAL CEILING TILE EDGE DETAILS

DONN® and Quadra are the most widely specified grids in Middle East. They include a wide range of profiles and colors and are fully compatible with all USG ME ceiling tiles as well as most third party brands. Precision design and quality manufacturing ensure both structural and aesthetic integrity in all ceiling designs.

USG ME offers the following suspension system and edge detail options. Select a suspension system and match it with a corresponding panel edge detail, or vice versa, to assure proper system fit and assembly.

EDGE DETAIL	SQ Edge	SLT Edge	SL Edge	FLB Edge	FL Edge	Pedestal	Concealed BESK Edge	Concealed S-BESK Edge	Concealed D-BESK Edge
GRID SYSTEM									
DX'/DXL™ T24 QUADRA									
DX'/DXH™ 33 T24									
DX'/DXH™ 38 T24									
DX'/DXL™ T24 FIRE RATED									
DX'/DXL™ T15 CENTRICITEE									
AX™/AXCE™									
CE™									
FINELINE® DXF™/DXLF™									
IDENTITEE® DXI™									
DONN® CONCEALED T,Z									
DONN CONCEALED C,L									

# INSTALLING DONN® BRAND ACOUSTICAL SUSPENSION SYSTEM

The original and most widely used acoustical suspension system.

## CONFIDENCE WITH A CLICK

CHOOSING THE BEST CEILING FOR YOUR PROJECT CAN MAKE ALL THE DIFFERENCE.

For over 50 years, USG ME Donn® Brand has led the industry with innovations that make suspension systems easier, faster, and more reliable to install.

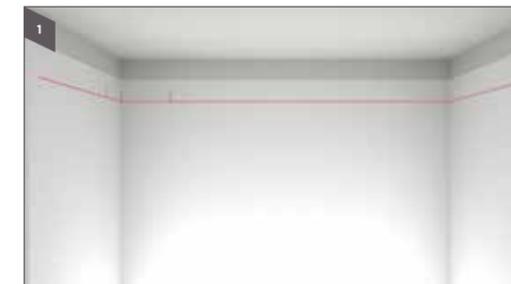
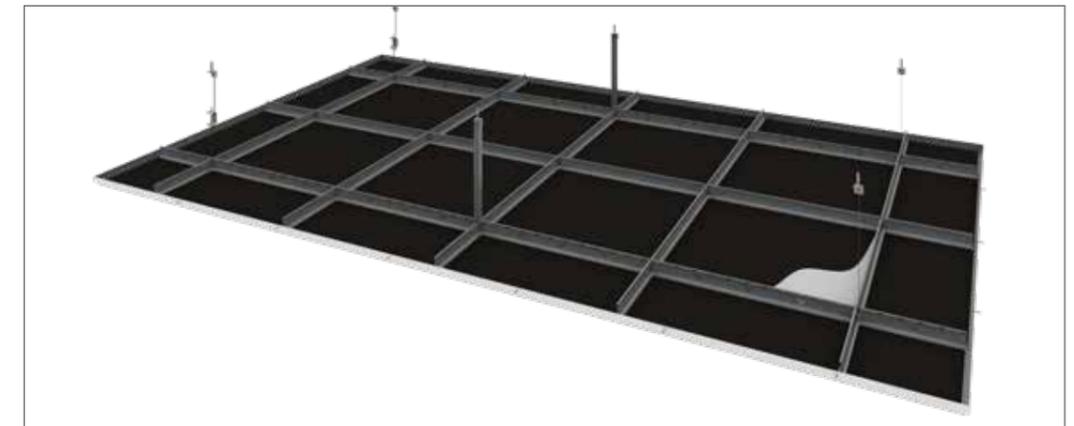
With an unparalleled variety of choices, no matter what your ceiling needs, we have you covered.

<h3>1. PRODUCTIVITY</h3>	<p>Tight, reliable connections with low insertion force are the hallmark of USG ME Donn® Brand Acoustical Suspension Systems. The main tee and cross tee clips are removable without tools— making layout changes quicker—and The Donn Click™ audible cross tee sound lets you know when the tee is engaged. Precise dimensional tolerances prevent the modules from distorting and help keep the system square. All of this adds up to easier and faster installation.</p>
<h3>2. FULL PRODUCT PORTFOLIO</h3>	<p>USG Middle East offers a full line of ceilings suspension system styles and functionality. With nine different profiles to choose from, USG ME has the look design professionals want. USG Donn® is the global most recognized ceilings suspension system. USG ME Logix™ systems are designed for layouts that integrate modern, linear lighting designs.</p>
<h3>3. CODE COMPLIANCE</h3>	<p>All USG ME Donn® Brand Acoustical Suspension Systems have been thoroughly tested and comply with all industrial related international standards and Saudi building code jurisdictions, including seismic category C, and D-F. our Donn® Brand Acoustical Suspension Systems are exceeds load compliance specifications as per ASTM C 635.</p>
<h3>4. CUSTOM OPTIONS</h3>	<p>USG offers suspension systems in different colors, including widen finish. USG ME also has the ability to create suspension system components for custom installations with nonstandard module sizes.</p>

# INSTALLING DONN® BRAND ACOUSTICAL SUSPENSION SYSTEM, LAY-IN

## LAY-IN

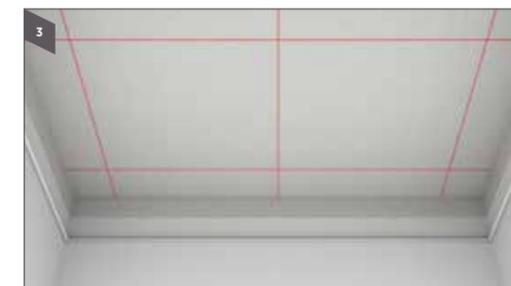
The appearance of a suspended acoustical ceiling is dependent both on the materials used and on the quality of the installation. USG ME manufactures components to meet ASTM C635 assuring that the material, structural and quality standards are as prescribed. Install according to ASTM C636, ASTM E580 and USG requirements, assuring proper level and secure attachment as prescribed. Good construction conditions are very important when successfully installing a suspended ceiling. It is recommended that the temperature and humidity range be 14 - 25°C and max. 75% relative humidity. Store materials in a protected area, store tiles on the job at least 3 days prior to installation.



1 Use a laser beam to measure and plan the ceiling layout in advance so that the tiles adjacent to the walls are not less than 300mm width



2 Install wall angles around the perimeter at marked locations using screws at 450 mm o.c



3 Mark with laser the hanger spacing at 1200 mm o.c.



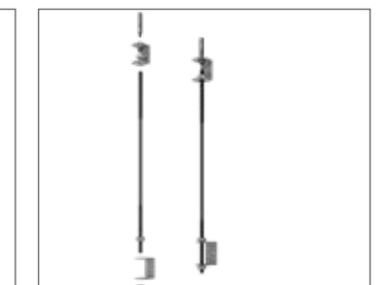
4 Fix hangers at 1200 mm o.c in a gradient scheme above the lines of wall angle



Use the specified hanging system (Adjustable hanger)



Use the specified hanging system (Primary Channel hanger)



Use the specified hanging system (Threaded rod)

LAY-IN



Fix the main tee at 1200 mm spacing and lay it on the wall angle.



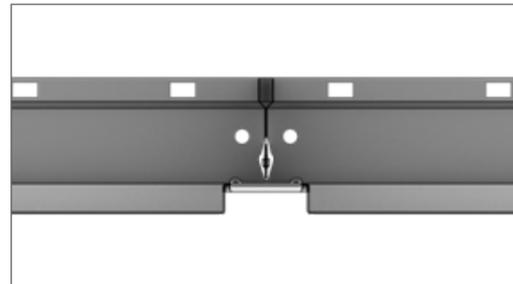
Insert the long cross tee to main tee in place for 600x600 module



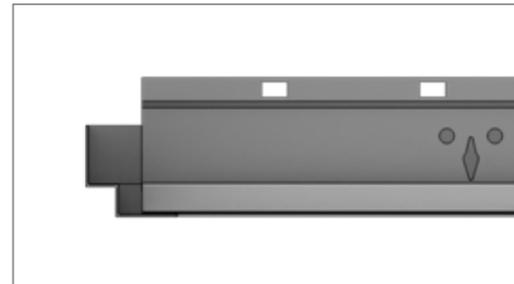
Insert the long cross tee to main tee in place for 600x600 module (Angle View)



Insert the short cross tee to long tee in place



DONN® brand audible click



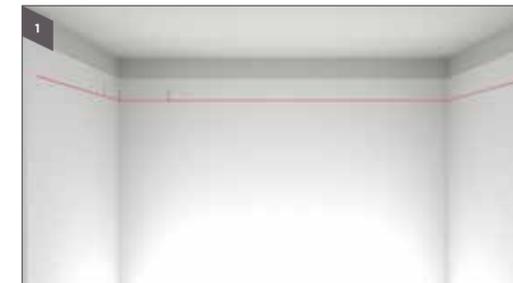
Lay-In-Wall Section Detail



CLIP-IN

# INSTALLING DONN® BRAND ACOUSTICAL SUSPENSION SYSTEM, CLIP-IN

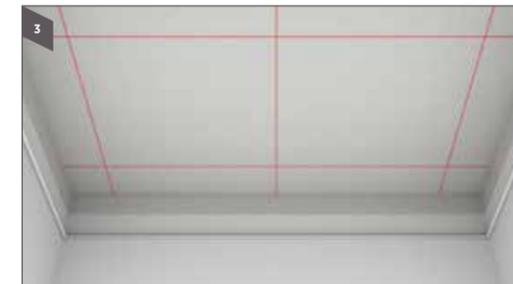
The appearance of a suspended acoustical ceiling is dependent both on the materials used and on the quality of the installation. USG ME manufactures components to meet ASTM C636, 2006 IBC (2007 CBC), CISCA Ceiling Systems Handbook, (UL Design) and any applicable code requirement, assuring that the material, structural and quality standards are as prescribed. Install according to ASTM C636, ASTM E580 and USG requirements, assuring proper level and secure attachment as prescribed. Good construction conditions are very important when successfully installing a suspended ceiling. It is recommended that the temperature and humidity range be 14 - 25°C and max. 75% relative humidity. Store materials in a protected area, store tiles on the job at least 3 days prior to installation.



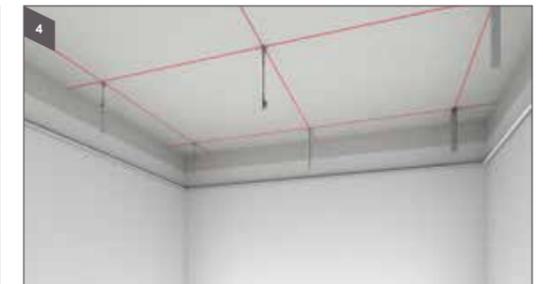
Use a laser beam to measure and plan the ceiling installation process where the min distance of Spring tee shall be 300 mm and shall not exceed 450 mm from wall



Install wall angles around the perimeter at marked locations using screws at 450 mm o.c



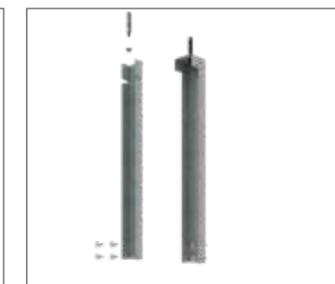
Mark with laser the hanger spacing at 1200 mm o.c.



Fix hangers at 1200 mm o.c in a gradient scheme above the lines of primary channels



Use the specified hanging system (Adjustable hanger)



Use the specified hanging system (Primary Channel hanger)



Use the specified hanging system (Threaded rod)

INSTALLING DONN® BRAND ACOUSTICAL SUSPENSION SYSTEM, CLIP-IN

CLIP-IN



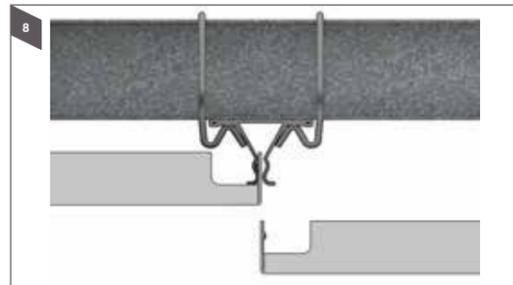
Fix the primary channel at 1200 mm spacing



Hang the wire connecting clip WCC to the primary channel



Connect the spring tee to the primary channel at 600 spacing using wire connecting clip WCC



Insert the clip in panel to the exposed spring tee



Spring Tee



Primary Channel



Important Tips:

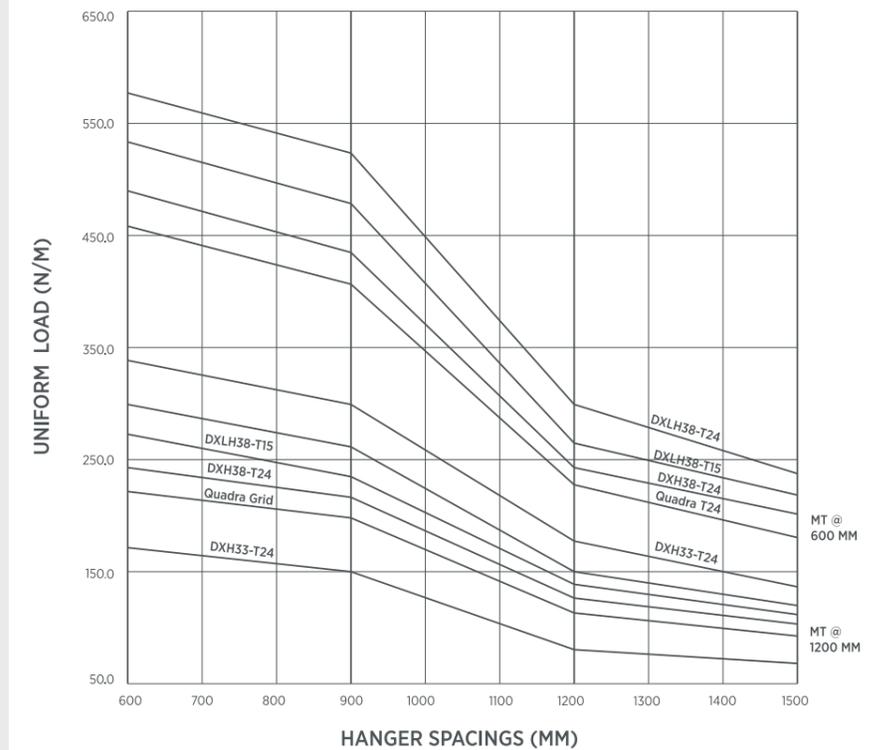
- Ensure that the ceiling grid is level and straight throughout the installation process.
- Always use safety gear such as gloves and eye protection when handling the metal ceiling components.
- Cut the metal ceiling panels with the appropriate tools to ensure clean cuts and prevent damage to the panels.
- Do not apply excessive force when inserting the clip in the panel as this may cause damage to the ceiling components.

DONN® SUSPENSION SYSTEM LOADINGS

Use of Maximum Allowable Gross Ceiling Weight Charts:

- Determine the maximum allowable ceiling weight for the chosen Main Tee and hanger spacing from Graph.
- Determine the maximum allowable ceiling weight for the chosen Cross Tee spacing from table.
- The maximum allowable gross weight is the lower of the values from step 1 and 2.
- Note that any heavy lighting or other mechanical fixtures should be independently supported.
- Seismic considerations for in-plane loads may take precedence in determining the required section (refer USG ME Representative for details).

MAIN TEE



Minimum load carrying capabilities of main runners spaced at 1200mm and 600mm On Center.

DONN® DX Main Tee	Point Load KG hanger spacing - 600mm OC	Point Load KG hanger spacing - 1200mm OC
DX3600H38	15.65	7.9
DX3600H33	10.35	5.5

Point loads are loads that transfer to a Tee at a single point (or several points) over a very small area. The weakest point is assumed to be mid span. The maximum allowable point load is the lesser of either main or cross Tee values.

CROSS TEE

DONN® DX	Cross Tee Spacing	
	600mm	1200mm
Cross Tee Type		
DX600H25	40	20
DX1200H38	80	40
DX1200H25	40	20

Notes:

- Values are based on simple span tests in accordance with recognized International Standard ASTM C635. Higher values can often be attained by allowing for the effect of continuous spans, the actual increase being subject to span arrangements.
- For cross-nogged configurations e.g.: where a 1200x600 mm panel runs parallel with the main tee, the spacing values should be used as for 1200x1200mm module.
- Main tees are based on a 1200mm span, creating a 600x600mm configuration does not significantly increase load carrying limits.

# DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

Categories D, E, and F Category C as per IBC

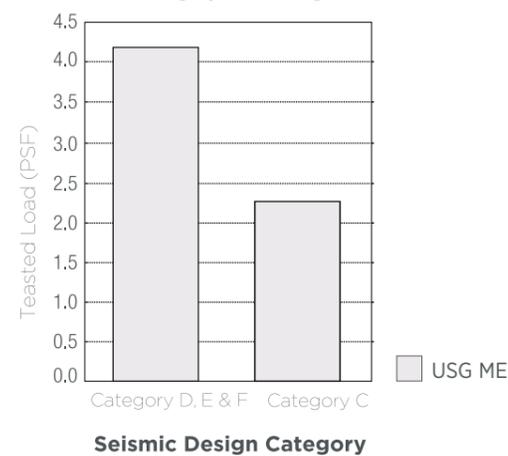
Since 1957 DONN® brand suspension systems have set the standard, using the strongest gauge steel to produce the tightest systems available with the greatest lateral and torsional stiffness. Building on this commitment to quality, USG teamed with the University at Buffalo (SUNY), the Department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley to conduct full-scale seismic testing to evaluate and qualify the seismic performance of these systems. This testing proved that DONN® suspension systems provide a superior code-compliant solution to meeting International Building Code (IBC) requirements, including installations in Categories D, E and F, and Category C. USG is the only manufacturer to team with two separate earthquake engineering laboratories to qualify the performance of our systems.

When seismic requirements are a critical design issue, architects, contractors and building officials can rely on DONN® suspension systems to:

- Meet or exceed all national code requirements with 22mm wall molding.
- Fulfill requirements for IBC seismic design categories C, D, E, and F.
- Provide evidence of compliance (and greatly exceed) ICC Evaluation Service, Inc. (ICC-ES) AC156 and AC368 requirements.
- Offer an aesthetically attractive option to traditional 5mm angle molding.
- Provide approved solutions certified with the maximum m<sup>2</sup>. weights accommodating complete ceilings systems.
- Offer compliant systems tested and verified by two separate earthquake engineering laboratories.
- Offer a seismic clip laboratory-tested to greatly exceed all structural requirements including tension, compression & tee fallout.

Seismic testing typically focuses primarily on the suspension system itself. Any ceiling panel can be installed in the test assembly regardless of how little it weighs, and components such as light fixtures and air handling equipment are usually excluded. In practical application, however, the suspension system must support and carry the weight of a fully functional ceiling system, including ceiling panels that can weigh as much as 1kg m<sup>2</sup>./sq. Therefore, USG tested suspension systems with weights commensurate with those found in real-world installations, including light fixtures and air handling equipment, using a wide variety of the ceiling panels that USG ME offers. Full-scale testing performed at the University at Buffalo (SUNY) the department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley certifies that USG ME IBC-compliant assemblies are able to accommodate loads commensurate with those found in real-world installations.

## Maximum Ceiling System Weight Tested



SEISMIC QUALIFICATION / SPECIFICATIONS

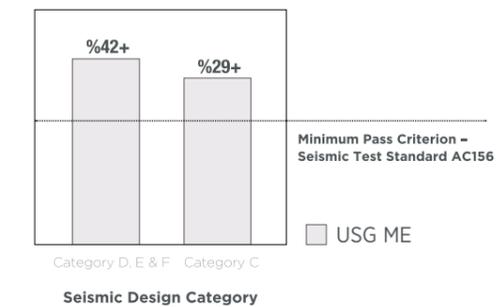
## DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

The USG figures presented are based on full-scale testing and evaluation performed at the University at Buffalo (SUNY) the department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley. Comparative data obtained from public sources includes ICC-ES Reports, product literature and Web sites.

### TESTING

A complete range of USG ceiling systems was subjected to various levels of earthquake acceleration levels for the purpose of seismic qualification. The experimental studies were performed in the University at Buffalo (SUNY) the department of Civil, Structural and Environmental Engineering • Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley using an earthquake simulator. System performance was certified to tolerate forces in seismic Categories D, E and F that exceeded the minimum pass criterion of AC156 and AC368 by 42%.

### USG ME Exceeds AC156 Test Criteria



### Testing per ICC Evaluation Service, Inc. (ICC-ES) AC156 and AC368:

System Design	Seismic Design Category	Maximum Ceiling System Weight Tested	Allowed Suspension System Load Carrying Capacity	Test Result
System DXL-H	D,E,F	12.2 kg/m <sup>2</sup>	Heavy Duty	Passed
System DXL-I-C	C	11 kg/m <sup>2</sup>	Intermediate Duty	Passed

With these certified IBC-compliant assemblies, USG ME is the only manufacturer to offer:

- A seismic system that exceeds the minimum pass criterion of AC156 and AC368 by more than 42%.
- Seismic-system weights commensurate with typical ceiling systems.
- A seismic clip laboratory-tested to greatly exceed all structural and seismic requirements including tension, compression and tee fallout.
- Compliant systems tested and verified by two separate earthquake engineering laboratories.

### CODE APPROVAL

Testing and evaluation performed at the University at Buffalo (SUNY), the Department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley qualify the performance of these systems according to the AC156 – Seismic Qualification Specification, and AC368 – Acceptance Criteria for Suspended Ceiling Framing Systems. Several alternative materials, designs and methods of construction were evaluated and tested. Results of this investigation indicate that these tested alternative designs are at least the equivalent of that prescribed in the code for quality, strength, effectiveness, fire resistance, durability and safety. The data and test results presented provide technical evidence on which a code official can base approval. Construction details for these systems are shown on the following pages.

# DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

Categories D, E, and F Category C as per IBC

## SEISMIC TEST RESULTS

System Design	System DXL-H	System DXL-I-C
<b>Seismic Category</b>	D, E, F	D, E, F
<b>Suspension System</b>	DONN® double-web, galvanized steel meeting or hot-dipped exceeding ASTM C635	DONN® double-web, hot-dipped galvanized steel meeting or exceeding ASTM C635
Duty rating	Heavy Duty	Heavy Duty
Wall molding	22mm	22mm
Seismic Clip	ACM7	ACM7
<b>Shake Table</b>	Six degrees of freedom	Six degrees of freedom
<b>Test Protocol</b>	Simulated earthquake	Simulated earthquake
<b>Qualification</b>	AC156 and AC368	AC156 and AC368
<b>Result</b>	Passed	Passed
<b>Minimum Acceleration Requirement</b>	Exceeds by 42%	Exceeds by 42%
<b>Two Adjacent Floating Sides - With Gap</b>	Fastener attachment to tee through slot optional), no fastener through wall molding	Fastener attachment to tee through slot optional), no fastener through wall molding
<b>Two Adjacent Fixed Sides - Tight, No Gap</b>	Fastener attachment to tee (optional), one fastener through wall molding (optional)	Fastener attachment to tee (optional), one fastener through wall molding (optional)
<b>Perimeter Wires</b>	Yes	Yes
<b>Stabilizer Bars</b>	No	No
<b>System Weight</b>	12.2kg/m <sup>2</sup>	12.2kg/m <sup>2</sup>

Convenience holes located in the tee bulb may be used for any and all hanger wires. Load tests performed on 12-gauge hanger wires through convenience holes found the failure to be in excess of 180kg. This far exceeds the required 90kg. The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

## SYSTEMS SUMMARY

## DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

	Category D,E,F Alternate Seismic Application	Standard Seismic Application
	<b>DXL-H</b>	
	<b>Heavy Duty DXL-H System 22mm Molding</b>	<b>Heavy Duty System 5mm Molding</b>
<b>Suspension System Duty Rating</b>	Heavy	Heavy
<b>Wall Molding</b>	22mm	5mm
<b>Seismic Clip</b>	ACM7	None
<b>Two Adjacent Floating Sides - With Gap</b>	ACM7 seismic clip with fastener attachment to tee through slot (optional), and no fastener through wall molding	No attachment of tee to molding
<b>Two Adjacent Fixed Sides - Tight, No Gap0</b>	ACM7 seismic clip with fastener attachment to tee (optional), and one fastener through wall molding (optional)	Pop-riev attachment of tee to molding
<b>Perimeter Hanger Wires</b>	Yes	Yes
<b>Stabilizer Bars</b>	None	Yes

	Category C Alternate Seismic Application	Standard Seismic Application
	<b>DXL-I-C</b>	
	<b>intermediate Duty System 22mm Molding</b>	<b>Intermediate Duty System 22mm Molding, Stabilizer Bars</b>
<b>Suspension System Duty Rating</b>	Heavy	Heavy
<b>Wall Molding</b>	22mm	5mm
<b>Seismic Clip</b>	ACM7	None (unless utilized in lieu of stabilizer bar)
<b>Two Adjacent Floating Sides - With Gap</b>	ACM7 seismic clip with fastener attachment to tee through slot (optional), and no fastener through wall molding	No attachment of tee to molding
<b>Two Adjacent Fixed Sides - Tight, No Gap0</b>	ACM7 seismic clip with fastener attachment to tee (optional), and one fastener through wall molding (optional)	Pop-riev attachment of tee to molding
<b>Perimeter Hanger Wires</b>	Yes	None
<b>Stabilizer Bars</b>	None	Yes

Convenience holes located in the tee bulb may be used for any and all hanger wires. Load tests performed on 12-gauge hanger wires through convenience holes found the failure to be in excess of 180kg. This far exceeds the required 90kg. The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

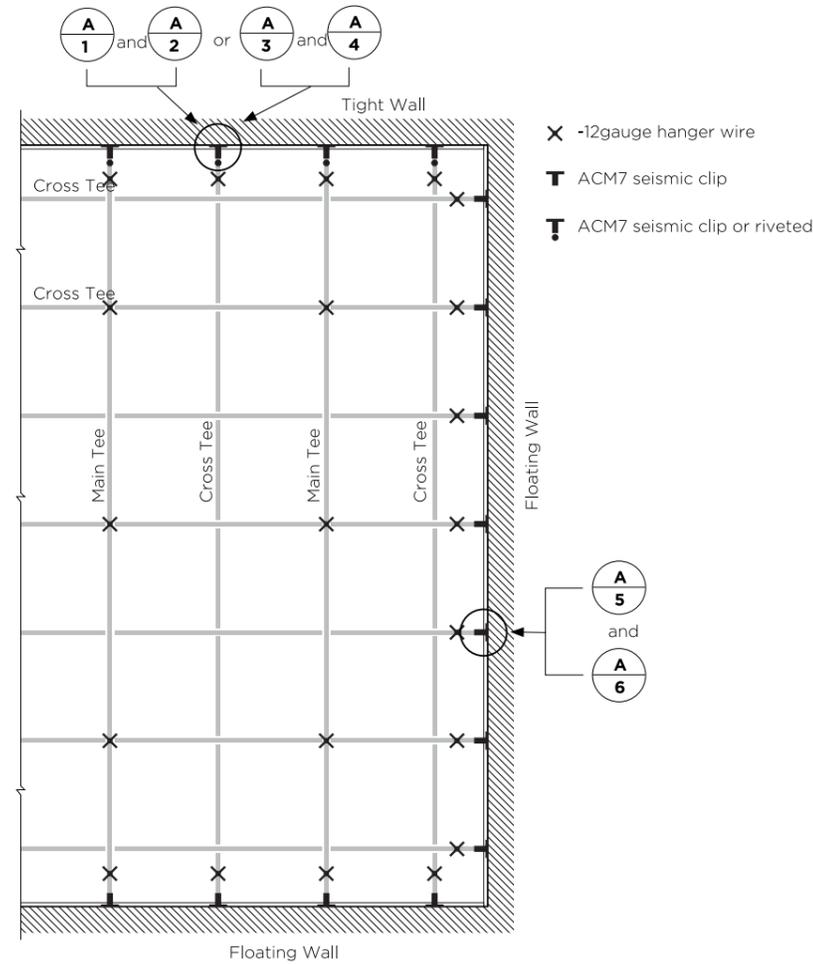
# DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

Categories D, E, and F Category C as per IBC

## SYSTEM SUMMARY

<b>Suspension System Duty Rating</b>	Heavy
<b>Wall Molding</b>	22mm
<b>Seismic Clip</b>	ACM7
<b>Two Adjacent Floating Sides - With Gap</b>	3/49 gap; ACM7 seismic clip with fastener attachment to tee through slot (optional), and no fastener through wall molding.
<b>Two Adjacent Fixed Sides - Tight, No Gap</b>	Tight, no gap; ACM7 seismic clip with fastener attachment to tee (optional), and one fastener through wall molding (optional)
<b>Perimeter Hanger Wires</b>	Yes
<b>Stabilizer Bars</b>	None

## CONSTRUCTION DETAILS



All main DONN® suspension systems - DX/DXL, Finline DXF, Finline 1/8 DXFF, Centricitee DXT/DXLT, CE, DXW, DXLA, and ZXLA - include the Code compliant and heavy-duty main tees for Seismic Design Categories D, E, and F.

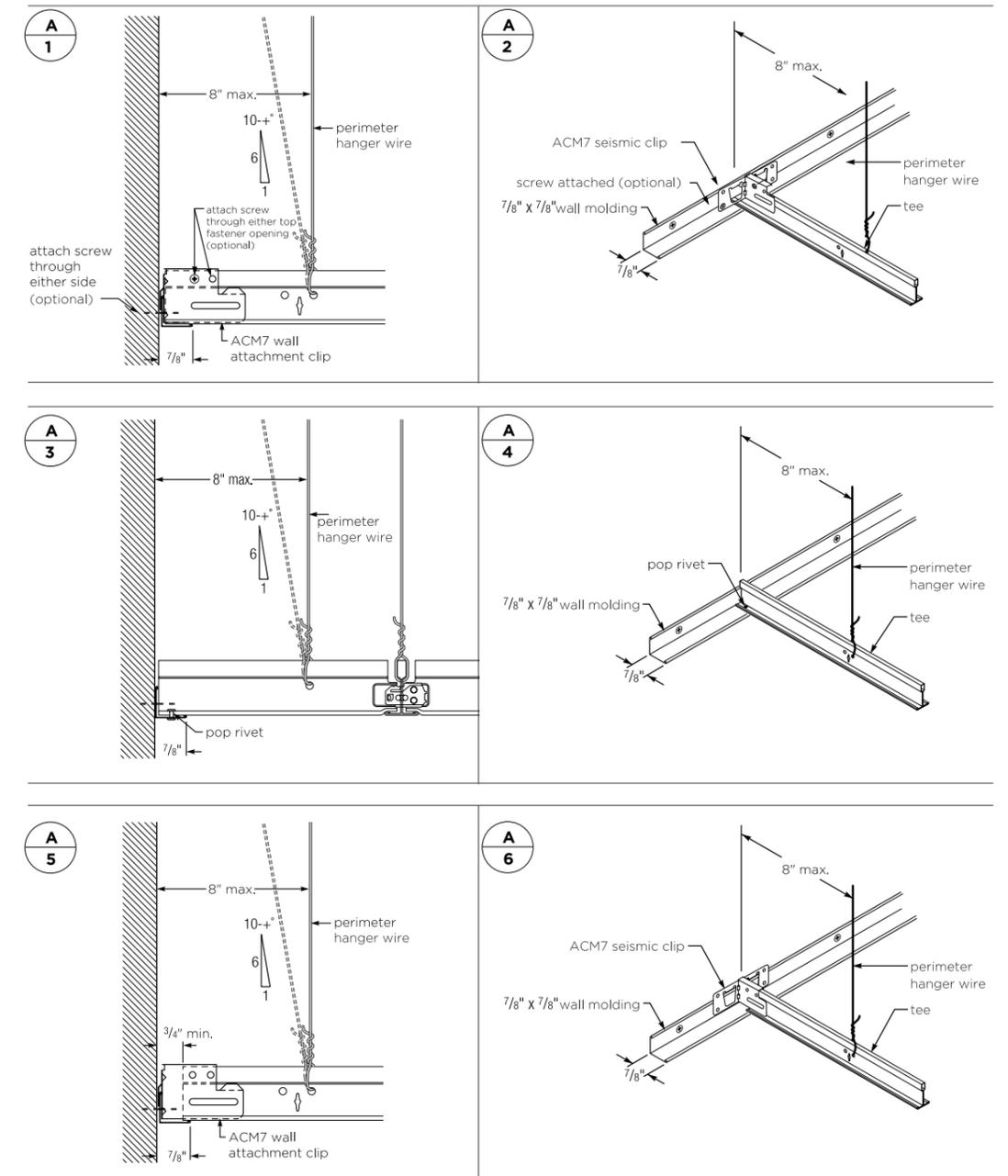
For ceiling areas exceeding (232 m<sup>2</sup>), a seismic separation joint may be required. See SC2496 for information on seismic separation joints.

The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

Convenience holes located in the tee bulb may be used for any and all hanger wires.

## ACM7 CLIP, TIGHT WALL

## DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS



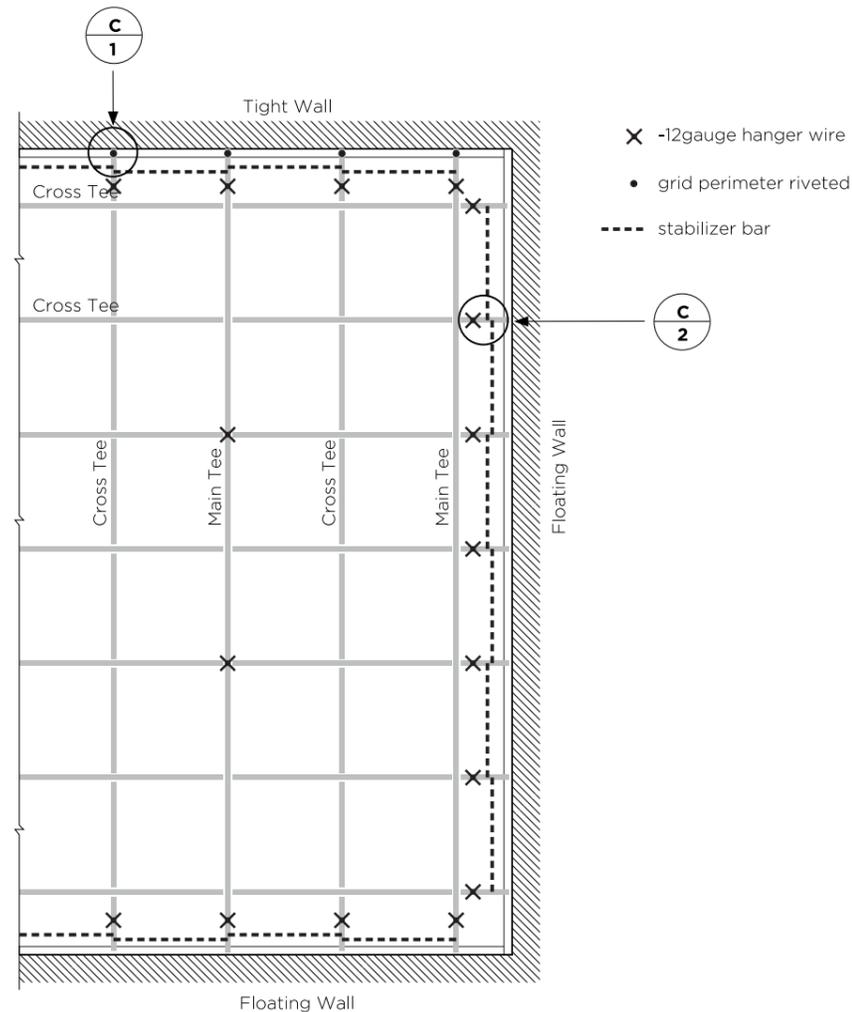
# DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

Categories D, E, and F Category C as per IBC

## SYSTEM SUMMARY

<b>Suspension System Duty Rating</b>	Heavy
<b>Wall Molding</b>	5mm
<b>Seismic Clip</b>	ACM7
<b>Two Adjacent Floating Sides - With Gap</b>	None (unless utilized in lieu of stabilizer bars)
<b>Two Adjacent Fixed Sides - Tight, No Gap</b>	19mm gap; no attachment of tee to molding
<b>Perimeter Hanger Wires</b>	Yes
<b>Stabilizer Bars</b>	Yes

## CONSTRUCTION DETAILS



All main DONN® suspension systems - DX/DXL, Finline DXF, Finline 1/8 DXFF, Centricitee DXT/DXLT, CE, DXW, DXLA, and ZXLA - include the Code compliant heavy-duty main tees for Seismic Design Categories D, E, and F.

For ceiling areas exceeding 232 m<sup>2</sup>, a seismic separation joint may be required. See SC2496 for information on seismic separation joints.

The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

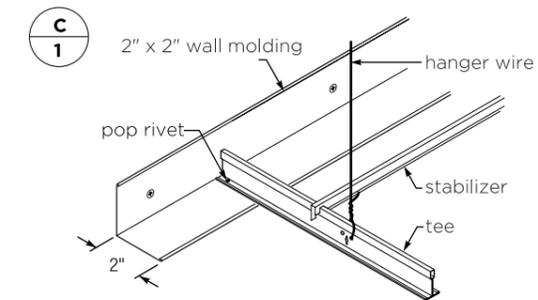
Convenience holes located in the tee bulb may be used for any and all hanger wires.

## ACM7 CLIP, TIGHT WALL

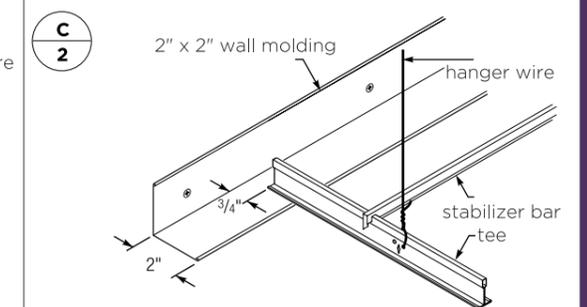
## 5MM SEISMIC SHADOW MOLDING

## DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

### Pop Rivet, Tight Wall

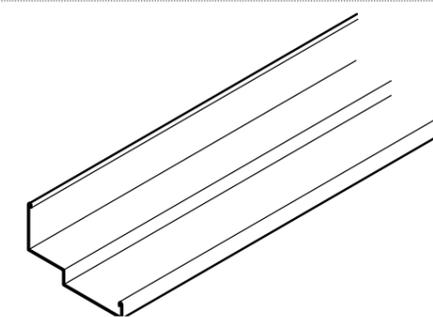


### Tee Unattached, Floating Wall

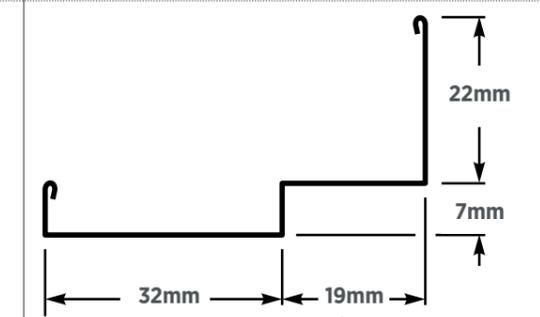


With a 19mm reveal located by the wall to disguise its width, 5mm shadow molding provides an aesthetically pleasing option to traditional 5mm seismic molding. Designed for use with 24mm exposed DONN® DX/DXL suspension systems, this seismic shadow molding meets or exceeds all national code requirements and fulfills requirements for Seismic Design Categories D, E, and F.

### MS274

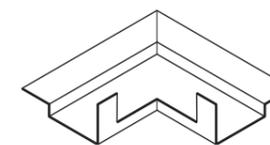


### Profile

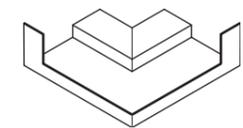


Preformed corners are available, eliminating the need to miter this molding.

### Inside Corner Molding



### Outside Corner Molding



For more information about the MS274 5mm seismic shadow molding, see Seismic Mold data sheet (AC3184) or Ceiling Systems catalogue (SC2000).

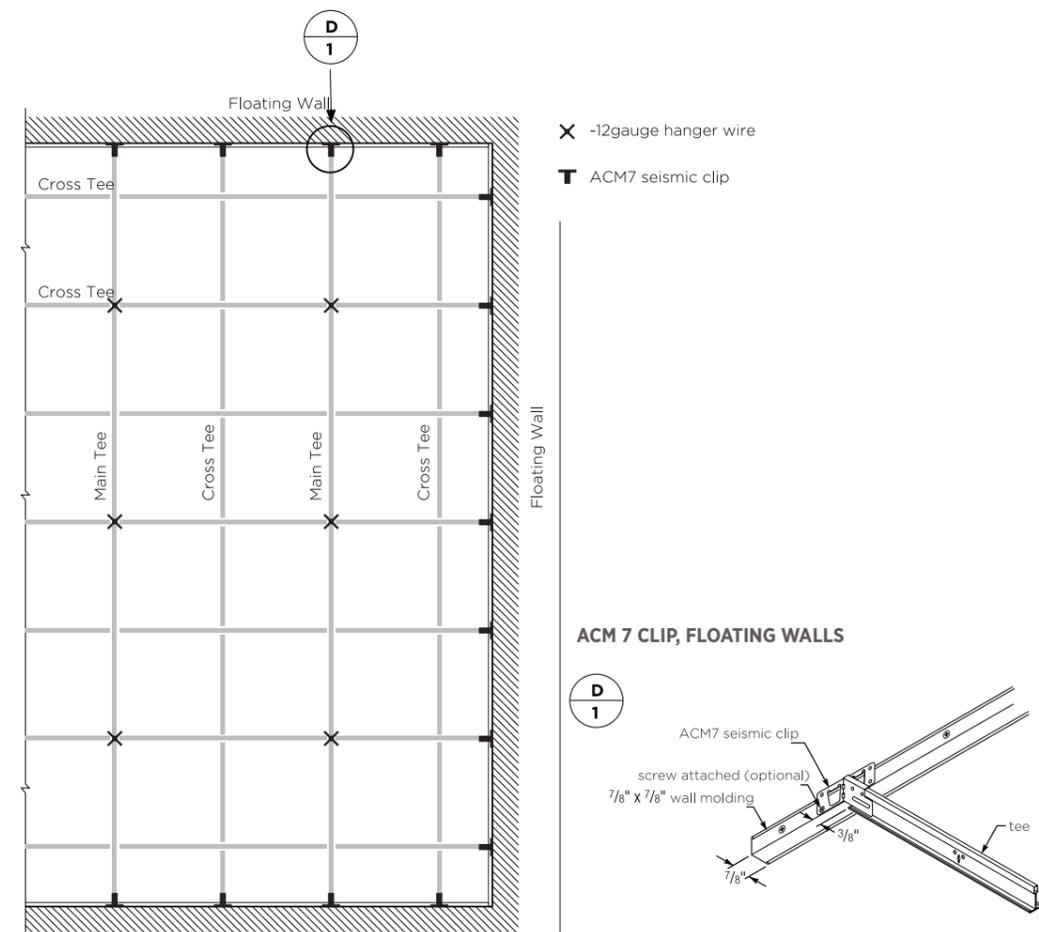
# CATEGORY C ALTERNATE SEISMIC APPLICATION

Intermediate Duty DXL-I-C System 22mm Molding

## SYSTEM SUMMARY

Suspension System Duty Rating	Intermediate
Wall Molding	22mm
Seismic Clip	ACM7
Two Adjacent Floating Sides - With Gap	ACM7 seismic clip with fastener attachment to tee through slot (optional), and one fastener through wall molding (optional).
Two Adjacent Fixed Sides - Tight, No Gap	Tight, no gap; pop-rivet attachment of tee to molding
Perimeter Hanger Wires	None
Stabilizer Bars	None

## CONSTRUCTION DETAILS



All main DONN® suspension systems - DX/DXL, Fineline DXF, Fineline 1/8 DXFF, Centricitee DXT/DXLT, CE, DXW, DXLA, and ZXLA - include the Code compliant intermediate-duty main tees for Seismic Design Categories A, B and C.

The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

Convenience holes located in the tee bulb may be used for any and all hanger wires.  
 Alternate Seismic Application

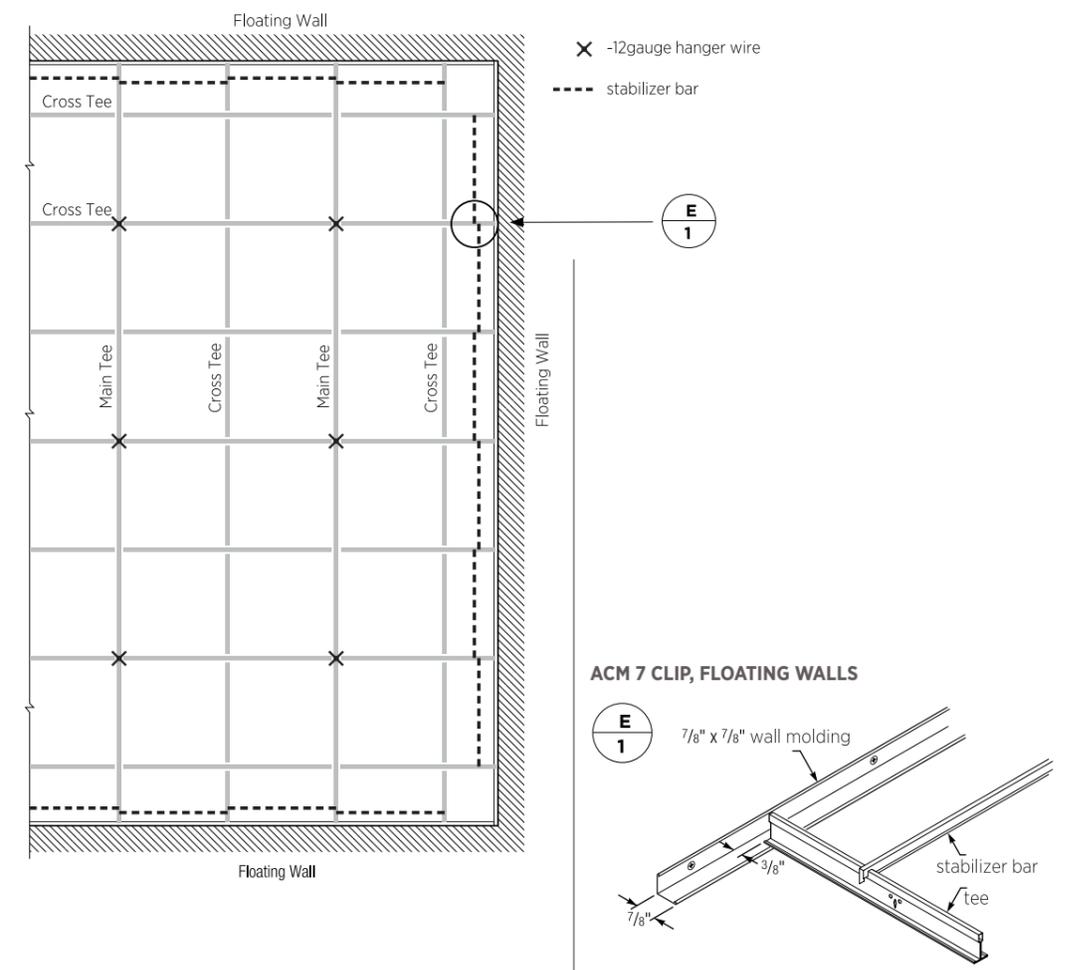
# CATEGORY C STANDARD SEISMIC APPLICATION

Intermediate Duty System 22mm Molding, Stabilizer Bars

## SYSTEM SUMMARY

Suspension System Duty Rating	Intermediate
Wall Molding	22mm
Seismic Clip	None
Floating Sides	10mm gap; no attachment of tee to molding
Perimeter Hanger Wires	None
Stabilizer Bars	Yes

## CONSTRUCTION DETAILS



All main DONN® suspension systems - DX/DXL, Fineline DXF, Fineline 1/8 DXFF, Centricitee DXT/DXLT, CE, DXW, DXLA, and ZXLA - include the Code compliant intermediate-duty main tees for Seismic Design Categories A, B and C.

The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

Convenience holes located in the tee bulb may be used for any and all hanger wires.  
 Standard Seismic Application



## ADDITIONAL RESOURCES

# USG ME CEILINGS ACOUSTIC PERFORMANCE

Celebretto® Metal Ceiling Perforation Pattern and Infill Option	Open Area%	NRC	CLASS	CAC dB	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
A1 Pattern with Acoustic fleece	20%	0.75	Class B	-	0.70	0.95	0.75	0.75	0.80	0.80
A1 Pattern with 19mm Soft Fiber infill	20%	0.90	Class A	-	0.65	0.85	0.80	1.00	1.00	1.00
A1 Pattern with 15mm Mineral Fiber infill	20%	-	-	32	-	-	-	-	-	-
A1 Pattern with Acoustic fleece & 30mm Stone Wool & 19mm Mineral Fiber infill	20%	0.90	Class B	32	0.50	0.55	0.85	1.00	1.00	1.00
A1 Pattern with Acoustic fleece & 25mm Glass Wool & 12mm Gypsum infill	20%	0.85	Class C	30	0.55	0.45	0.75	1.00	1.00	1.00
A1 Pattern with Acoustic fleece & 30mm Stone Wool & Aluminum Foil	20%	1.00	Class A	34	0.70	0.90	1.00	1.00	1.00	1.00
B2 Pattern with Acoustic fleece	16%	0.60	Class C	-	0.65	0.75	0.55	0.55	0.60	0.65
15D Pattern with Acoustic fleece	22%	0.60	Class C	-	0.70	0.65	0.55	0.55	0.60	0.55
15D Pattern with Acoustic fleece & 30mm Stone Wool & Aluminum Foil	22%	0.80	Class B	30	0.70	0.85	0.75	0.75	0.80	0.70
15E Pattern with Acoustic fleece	11%	0.65	Class C	-	0.60	0.80	0.60	0.60	0.70	0.70
15E Pattern with Acoustic fleece & 30mm Stone Wool & Aluminum Foil	11%	0.80	Class B	27	0.80	0.80	0.75	0.80	0.85	0.70
7E Pattern with Acoustic fleece	1%	0.65	Class C	-	0.80	0.75	0.65	0.65	0.60	0.50
7E Pattern with Acoustic fleece & 30mm Stone Wool & Aluminum Foil	1%	0.90	Class C	26	0.80	0.85	0.85	0.95	0.85	0.55
A1 Pattern - Intersecto Metal Ceiling with Infill	20%	0.70	Class C	35	0.50	0.60	0.65	0.75	0.70	0.70
A1 Pattern - Paralane Baffles 40X120, C120 with 38mm Soft Fiber infill	20%	0.85	-	-	0.25	0.50	1.00	1.00	1.00	1.00
A1 Pattern - Paralane Baffles 50X100, C100 with 50mm Soft Fiber infill	20%	0.60	Class D	-	0.15	0.35	0.50	0.75	0.70	0.60

Soft Fiber Tile Details	NRC	$\alpha_w$	CLASS	CAC dB	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Halcyon™ 15mm SQ Edge	0.85	0.80	Class B	-	0.45	0.85	1.00	0.75	0.80	0.75
Halcyon™ 19mm SQ Edge	0.95	0.95	Class A	24	0.50	0.90	1.00	0.90	0.95	0.90
Halcyon™ 19mm Concealed Edge	0.95	0.90	Class A	24	0.65	0.85	0.80	0.95	1.00	1.00
Halcyon™ 25mm SQ Edge	1.00	1.00	Class A	25	0.40	0.90	1.00	0.95	1.00	1.00
Halcyon™ 25mm Concealed Edge	1.00	0.95	Class A	25	0.75	0.85	0.85	1.00	1.00	1.00
Halcyon™ 38mm SQ Edge	1.00	1.00	Class A	31	0.60	0.90	1.00	1.00	1.00	1.00
Halcyon™ 40mm SQ Edge with Aluminum Foil	0.90	0.90	Class A	33	0.40	0.70	0.85	1.00	1.00	1.00
Halcyon™ 50mm SQ Edge	0.95	0.95	Class A	32	0.60	0.75	0.90	1.00	1.00	1.00
Louna™ Elegant 19mm Reveal Edge	0.85	0.85	Class B	27	0.55	0.80	0.75	0.90	1.00	1.00
Louna™ Elegant 19mm SQ Edge	0.90	0.95	Class A	25	0.60	0.85	0.85	0.95	1.00	1.00
Louna™ Elegant 25mm Reveal Edge	0.90	0.90	Class A	28	0.60	0.80	0.80	1.00	1.00	1.00
Louna™ Elegant 25mm SQ Edge	0.95	1.00	Class A	26	0.65	0.95	0.90	1.00	1.00	1.00
Louna™ Elegant 25mm SQ Edge Aluminium Foil	0.90	0.90	Class A	35	0.40	0.70	0.85	1.00	1.00	1.00
Louna™ Elegant 38mm SQ Edge Aluminium Foil	0.85	0.85	Class B	39	0.45	0.65	0.80	0.95	0.95	0.95
Louna™ Natural 15mm	0.90	0.90	Class A	-	0.60	0.85	0.80	0.95	1.00	1.00
Louna™ Natural 19mm	0.95	0.95	Class A	25	0.60	0.90	0.85	1.00	1.00	1.00
Louna™ HI CAC 43mm	0.85	0.80	Class B	42	0.45	0.50	0.85	1.00	1.00	1.00
Louna™ HI CAC 53mm	0.90	0.80	Class B	41	0.40	0.50	0.90	1.00	1.00	1.00
Louna™ Baffle 1800x300x40mm	0.70	0.60	Class C	-	0.20	0.30	0.65	0.90	0.85	0.80

Gypsum Tiles	NRC	$\alpha_w$	CLASS	CAC dB	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Soundblock Gypsum Ceiling - R6	0.70	0.65	Class C	-	0.55	0.75	0.70	0.65	0.60	0.55
Soundblock Gypsum Ceiling - R6 with 100mm Soft Fiber Infill	0.85	0.55	Class D	-	0.75	0.95	0.95	0.80	0.55	0.40

# USG ME CEILINGS ACOUSTIC PERFORMANCE

Mineral Fiber Tile Details	NRC	$\alpha_w$	CLASS	CAC dB	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Athena 16mm	0.70	0.65	Class C	35	0.30	0.35	0.65	0.90	1.00	0.95
Athena 19mm HNRC Concealed Edge	0.65	0.65	Class C	40	0.35	0.45	0.80	0.70	0.65	0.50
Auratone Designer Series 19mm QCFSR	0.60	0.60	Class C	35	0.45	0.40	0.50	0.70	0.70	0.60
Auratone Designer Series 19mm QOLPCR	0.65	0.70	Class C	37	0.30	0.45	0.70	0.70	0.70	0.60
Auratone Designer Series 19mm QRDSR	0.60	0.60	Class C	35	0.35	0.40	0.50	0.65	0.80	0.90
Auratone Designer Series 19mm QTPSR	0.70	0.65	Class C	35	0.35	0.40	0.65	0.85	0.85	0.70
Cleanroom™ 15mm Non-Perforated	0.10	0.15	Class E	37	0.35	0.15	0.10	0.10	0.15	0.25
Cleanroom™ 19mm Perforated	0.55	0.60	Class C	38	0.35	0.40	0.65	0.65	0.55	0.50
Cross Fissured 15mm	0.50	-	-	35	0.40	0.35	0.40	0.55	0.70	0.75
Cross Fissured 19mm	0.60	0.60	Class C	37	0.45	0.40	0.50	0.70	0.70	0.60
Favia 15mm	0.25	0.25	Class E	35	0.35	0.25	0.20	0.20	0.30	0.50
Favia Acoustic 16mm HNRC	0.65	0.60	Class C	35	0.30	0.35	0.60	0.80	0.90	0.85
Favia Acoustic 19mm	0.55	0.55	Class D	37	0.35	0.35	0.45	0.70	0.75	0.65
Glacier™ 19mm	0.65	-	-	35	0.36	0.26	0.55	0.99	1.02	1.02
Olympia Micro™ 15mm ClimaPlus™	0.55	0.55	Class D	35	0.35	0.35	0.50	0.65	0.60	0.50
Olympia Micro™ 19mm	0.65	0.70	Class C	37	0.30	0.45	0.70	0.70	0.70	0.60
Olympia Micro™ 19mm HNRC	0.70	0.75	Class C	37	0.45	0.50	0.75	0.85	0.80	0.65
Olympia™ 15mm ClimaPlus™	0.15	0.20	Class E	33	0.35	0.25	0.15	0.15	0.20	0.30
Radar™ 12mm	0.50	0.50	Class D	35	0.30	0.30	0.40	0.45	0.75	0.85
Radar™ 15mm ClimaPlus™	0.50	0.55	Class D	36	0.40	0.35	0.45	0.60	0.70	0.70
Radar™ 19mm Firechief	0.60	0.55	Class D	38	0.30	0.35	0.50	0.75	0.80	0.75
Radar™ 19mm HNRC	0.70	0.65	Class C	40	0.25	0.35	0.65	0.85	0.90	0.90
Radar™ 19mm Standard	0.60	0.60	Class C	38	0.35	0.40	0.50	0.65	0.80	0.90
Radar™ 22mm	0.80	0.75	Class C	39	0.35	0.50	0.75	0.95	1.00	0.90
Radar™ Ceramic 15mm	0.50	-	-	39	0.35	0.28	0.38	0.60	0.76	0.77
Skylite Acoustic 19mm	0.70	0.65	Class C	39	0.30	0.35	0.65	0.90	0.95	0.70
Skylite Clean 15mm	0.60	0.50	Class D	38	0.30	0.30	0.40	0.70	0.95	0.65
Skylite Clean 19mm	0.85	0.85	Class B	31	0.50	0.65	0.85	1.00	0.90	0.65
Sonata 19mm	0.75	0.65	Class C	37	0.40	0.40	0.65	0.95	1.00	1.00
Sonata 22mm	0.80	0.75	Class C	40	0.45	0.45	0.75	0.95	1.00	1.00
Sonata Healthcare 19mm	0.75	0.65	Class C	37	0.40	0.40	0.65	0.95	1.00	1.00
Sonata Healthcare 22mm	0.80	0.75	Class C	40	0.45	0.45	0.75	0.95	1.00	1.00
Taiga 15mm	0.15	0.15	Class E	33	0.35	0.25	0.10	0.15	0.20	0.45
Taiga 19mm - Chessboard Design	0.30	0.30	Class D	35	0.30	0.25	0.25	0.30	0.40	0.60
Taiga 19mm - Comet Line Design	0.30	0.30	Class D	35	0.25	0.25	0.25	0.30	0.35	0.50
Taiga Hygiene 15mm	0.15	0.15	Class E	33	0.35	0.25	0.10	0.15	0.20	0.45
Taiga Perforated 12mm	0.50	0.50	Class D	35	0.25	0.30	0.40	0.55	0.65	0.70
Taiga Perforated 15mm	0.45	0.50	Class D	35	0.35	0.40	0.40	0.55	0.55	0.55
Taiga Perforated 16mm HNRC	0.70	0.60	Class C	37	0.30	0.35	0.70	0.90	0.85	0.75
Taiga Perforated 19mm	0.70	0.65	Class C	37	0.35	0.40	0.65	0.85	0.85	0.70

Skynest™ Wood Wool	NRC	$\alpha_w$	CLASS	CAC dB	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Skynest™ Wood Wool 15mm	0.60	0.55	Class D	-	0.55	0.60	0.45	0.60	0.70	0.75
Skynest™ Wood Wool 15mm with Acoustical Infill	1.00	1.00	Class A	-	0.80	1.00	1.00	1.00	1.00	1.00
Skynest™ Wood Wool 25mm	0.65	0.65	Class C	-	0.60	0.60	0.55	0.65	0.85	0.95
Skynest™ Wood Wool 25mm with Acoustical Infill	1.00	1.00	Class A	-	0.85	1.00	1.00	1.00	1.00	1.00

# ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M <sup>2</sup> Per Carton	Number Of Carton Per Pallet	M <sup>2</sup> Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Athena Acoustical Ceiling	ATX666	600*600*16	SQ	12	4.32	40	172.80	21.7	796
Athena Acoustical Ceiling	ATX226	610*610*16	SQ	12	4.46	40	178.56	22.4	821
Athena Acoustical Ceiling	ATX626	600*1200*16	SQ	8	5.76	40	230.40	28.9	1,157
Athena Acoustical Ceiling	ATX246	610*1220*16	SQ	8	5.95	40	238.08	29.9	1,196
Athena Acoustical Ceiling	ATXR666	600*600*16	SLT	12	4.32	40	172.80	21.7	868
Athena Acoustical Ceiling	ATXR226	610*610*16	SLT	12	4.46	40	178.56	22.4	896
Athena Acoustical Ceiling	ATXRF666	600*600*16	FLB	12	4.32	40	172.80	21.7	868
Athena Acoustical Ceiling	ATXRF226	610*610*16	FLB	12	4.46	40	178.56	22.4	896
Athena Acoustical Ceiling	ATRFDC669-HNRC	600*600*19	D-BESK	10	3.60	32	115.20	24.7	789
Athena Acoustical Ceiling	ATRFDC229-HNRC	610*610*19	D-BESK	10	3.72	32	119.04	25.5	815
Athena Acoustical Ceiling	ATFC669-HNRC	600*600*19	BESK	10	3.60	52	187.20	24.7	1,282
Athena Acoustical Ceiling	ATFC229-HNRC	610*610*19	BESK	10	3.72	52	193.44	25.5	1,325
Clean Room™ Acoustical Ceiling	CLX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Clean Room™ Acoustical Ceiling	CLX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Clean Room™ Acoustical Ceiling	CLX625	600*1200*15	SQ	8	5.76	40	230.40	21.3	853
Clean Room™ Acoustical Ceiling	CLX245	610*1220*15	SQ	8	5.95	40	238.08	22.0	881
Clean Room™ Acoustical Ceiling	CLX669	600*600*19	SQ	10	3.60	40	144.00	24.7	986
Clean Room™ Acoustical Ceiling	CLX229	610*610*19	SQ	10	3.72	40	148.80	25.5	1,019
Clean Room™ Acoustical Ceiling	CLX629	600*1200*19	SQ	6	4.32	40	172.80	16.0	640
Clean Room™ Acoustical Ceiling	CLX249	610*1220*19	SQ	6	4.46	40	178.56	16.5	661
Clean Room™ Acoustical Ceiling	CLXP669	600*600*19	SQ	10	3.60	40	144.00	17.0	680
Clean Room™ Acoustical Ceiling	CLXP229	610*610*19	SQ	10	3.72	40	148.80	17.6	703
Clean Room™ Acoustical Ceiling	CLXP629	600*1200*19	SQ	6	4.32	40	172.80	16.0	640
Clean Room™ Acoustical Ceiling	CLXP249	610*1220*19	SQ	6	4.46	40	178.56	16.5	661
Cross Fissured Acoustical Ceiling	CFS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Cross Fissured Acoustical Ceiling	CFS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Cross Fissured Acoustical Ceiling	CFC665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Cross Fissured Acoustical Ceiling	CFC225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Cross Fissured Acoustical Ceiling	CFC625	600*1200*15	SQ	8	5.76	40	230.40	20.4	816
Cross Fissured Acoustical Ceiling	CFC245	610*1220*15	SQ	8	5.95	40	238.08	21.1	843
Cross Fissured Acoustical Ceiling	CFX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Cross Fissured Acoustical Ceiling	CFX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Cross Fissured Acoustical Ceiling	CFS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Cross Fissured Acoustical Ceiling	CFS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Cross Fissured Acoustical Ceiling	CFX669	600*600*19	SQ	10	3.60	40	144.00	24.7	986
Cross Fissured Acoustical Ceiling	CFX229	610*610*19	SQ	10	3.72	40	148.80	25.5	1,019
Cross Fissured Acoustical Ceiling	CFSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Cross Fissured Acoustical Ceiling	CFSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Cross Fissured Acoustical Ceiling	CFCR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Cross Fissured Acoustical Ceiling	CFCR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Cross Fissured Acoustical Ceiling	CFXR665	600*600*15	SLT	12	4.32	40	172.80	21.7	868
Cross Fissured Acoustical Ceiling	CFXR225	610*610*15	SLT	12	4.46	40	178.56	22.4	896
Auratone Designer Series	QCFSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QCFSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QTPSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QTPSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QTCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QTCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QTCR669 (36/15)	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QTCR229 (36/15)	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QOLPCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QOLPCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QRDSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QRDSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QRDCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QRDCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Favia Acoustical Ceiling	FNS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Favia Acoustical Ceiling	FNS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Favia Acoustical Ceiling	FNSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Favia Acoustical Ceiling	FNSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Favia Acoustic Acoustical Ceiling	FAS666	600*600*16	SQ	12	4.32	52	224.64	15.3	796
Favia Acoustic Acoustical Ceiling	FAS226	610*610*16	SQ	12	4.46	52	232.13	15.8	821
Favia Acoustic Acoustical Ceiling	FAS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832

# ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M <sup>2</sup> Per Carton	Number Of Carton Per Pallet	M <sup>2</sup> Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Favia Acoustic Acoustical Ceiling	FAS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Favia Acoustic Acoustical Ceiling	FASR666	600*600*16	SLT	12	4.32	52	224.64	15.3	796
Favia Acoustic Acoustical Ceiling	FASR226	610*610*16	SLT	12	4.46	52	232.13	15.8	821
Favia Acoustic Acoustical Ceiling	FASR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Favia Acoustic Acoustical Ceiling	FASR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Metal Face Acoustical Ceiling	MCX666	600*600*16	SQ	12	4.32	40	172.80	20.5	820
Metal Face Acoustical Ceiling	MCX226	610*610*16	SQ	12	4.46	40	178.56	21.2	847
Metal Face Acoustical Ceiling	MCX626	600*1200*16	SQ	8	5.76	40	230.40	27.3	1,093
Metal Face Acoustical Ceiling	MCX246	610*1220*16	SQ	8	5.95	40	238.08	28.2	1,130
Olympia™ Acoustical Ceiling	OLS665	600*600*15	SQ	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLS225	610*610*15	SQ	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLC665	600*600*15	SQ	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLC225	610*610*15	SQ	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLC625	600*1200*15	SQ	8	5.76	40	230.40	22.2	888
Olympia™ Acoustical Ceiling	OLC245	610*1220*15	SQ	8	5.95	40	238.08	22.9	917
Olympia™ Acoustical Ceiling	OLX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Olympia™ Acoustical Ceiling	OLX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Olympia™ Acoustical Ceiling	OLC325	300*1200*15	SQ	12	4.32	40	172.80	32.1	1,285
Olympia™ Acoustical Ceiling	OLC145	310*1220*15	SQ	12	4.54	40	181.54	33.2	1,327
Olympia™ Acoustical Ceiling	OLS669	600*600*19	SQ	10	3.60	52	187.20	17.6	913
Olympia™ Acoustical Ceiling	OLS229	610*610*19	SQ	10	3.72	52	193.44	18.1	943
Olympia™ Acoustical Ceiling	OLC669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Olympia™ Acoustical Ceiling	OLC229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Olympia™ Acoustical Ceiling	OLC359	300*1500*19	SQ	6	2.70	32	86.40	13.2	421
Olympia™ Acoustical Ceiling	OLC159	310*1520*19	SQ	6	2.83	32	90.47	13.8	441
Olympia™ Acoustical Ceiling	OLSR665	600*600*15	SLT	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLSR225	610*610*15	SLT	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLCR665	600*600*15	SLT	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLCR225	610*610*15	SLT	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLCR325	300*1200*15	SLT	12	4.32	40	172.80	21.7	868
Olympia™ Acoustical Ceiling	OLCR145	310*1220*15	SLT	12	4.54	40	181.54	22.4	896
Olympia™ Acoustical Ceiling	OLSR669	600*600*19	SLT	10	3.60	52	187.20	17.6	913
Olympia™ Acoustical Ceiling	OLSR229	610*610*19	SLT	10	3.72	52	193.44	18.1	943
Olympia™ Acoustical Ceiling	OLC629	600*1200*19	SLT	6	4.32	40	172.80	20.9	834
Olympia™ Acoustical Ceiling	OLC249	610*1220*19	SLT	6	4.46	40	178.56	21.5	862
Olympia™ Acoustical Ceiling	OLCR629	600*1200*19	SLT	6	4.32	40	172.80	20.9	834
Olympia™ Acoustical Ceiling	OLCR249	610*1220*19	SLT	6	4.46	40	178.56	21.5	862
Olympia™ Acoustical Ceiling	OLSRF665	600*600*15	FLB	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLSRF225	610*610*15	FLB	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLCRF665	600*600*15	FLB	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLCRF225	610*610*15	FLB	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLCRF325	300*1200*15	FLB	12	4.32	40	172.80	16.7	666
Olympia™ Acoustical Ceiling	OLCRF145	310*1220*15	FLB	12	4.54	40	181.54	17.2	688
Olympia™ Acoustical Ceiling	OLSRF669	600*600*19	FLB	10	3.60	52	187.20	17.6	913
Olympia™ Acoustical Ceiling	OLSRF229	610*610*19	FLB	10	3.72	52	193.44	18.1	943
Olympia™ Acoustical Ceiling	OLXR629	600*1200*19	FLB	6	4.32	40	172.80	30.8	1,231
Olympia™ Acoustical Ceiling	OLXR249	610*1220*19	FLB	6	4.46	40	178.56	31.8	1,272
Olympia™ Acoustical Ceiling	OLCRF629	600*1200*19	FLB	6	4.32	40	172.80	20.9	834
Olympia™ Acoustical Ceiling	OLCRF249	610*1220*19	FLB	6	4.46	40	178.56	21.5	862
Pedestal™ Acoustical Ceiling	DPIC669	600*600*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal™ Acoustical Ceiling	DPIC229	610*610*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal™ Acoustical Ceiling	DP4C669	600*600*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal™ Acoustical Ceiling	DP4C229	610*610*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal Olympia™ Acoustical Ceiling	DP1OLCRI669	600*600*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal Olympia™ Acoustical Ceiling	DP1OLCRI229	610*610*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal Olympia™ Acoustical Ceiling	DP4OLCRI669	600*600*19	Pedestal	10	3.60	52			

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M <sup>2</sup> Per Carton	Number Of Carton Per Pallet	M <sup>2</sup> Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Olympia Micro™ Acoustical Ceiling	OLPX665	600*600*15	SQ	12	4.32	40	172.80	22.8	912
Olympia Micro™ Acoustical Ceiling	OLPX225	610*610*15	SQ	12	4.46	40	178.56	23.5	942
Olympia Micro™ Acoustical Ceiling	OLPX625	600*1200*15	SQ	8	5.76	40	230.40	22.2	888
Olympia Micro™ Acoustical Ceiling	OLPX245	610*1220*15	SQ	8	5.95	40	238.08	22.9	918
Olympia Micro™ Acoustical Ceiling	OLPC325	300*1200*15	SQ	12	4.32	40	172.80	20.5	820
Olympia Micro™ Acoustical Ceiling	OLPC145	310*1220*15	SQ	12	4.54	40	181.54	21.2	847
Olympia Micro™ Acoustical Ceiling	OLPC669-HNRC	600*600*19	SQ	10	3.60	52	187.20	17.6	915
Olympia Micro™ Acoustical Ceiling	OLPC229-HNRC	610*610*19	SQ	10	3.72	52	193.44	18.2	946
Olympia Micro™ Acoustical Ceiling	OLPS669	600*600*19	SQ	10	3.60	52	187.20	17.6	913
Olympia Micro™ Acoustical Ceiling	OLPS229	610*610*19	SQ	10	3.72	52	193.44	18.1	943
Olympia Micro™ Acoustical Ceiling	OLPC329	300*1200*19	SQ	10	3.60	40	144.00	17.6	704
Olympia Micro™ Acoustical Ceiling	OLPC149	310*1220*19	SQ	10	3.78	40	151.28	18.5	740
Olympia Micro™ Acoustical Ceiling	OLPC629-HNRC	600*1200*19	SQ	6	4.32	40	172.80	20.9	834
Olympia Micro™ Acoustical Ceiling	OLPC249-HNRC	610*1220*19	SQ	6	4.46	40	178.56	21.5	862
Olympia Micro™ Acoustical Ceiling	OLPSR665	600*600*15	SLT	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPSR225	610*610*15	SLT	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPCR665	600*600*15	SLT	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPCR225	610*610*15	SLT	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPSR669	600*600*19	SLT	10	3.60	52	187.20	17.6	913
Olympia Micro™ Acoustical Ceiling	OLPSR229	610*610*19	SLT	10	3.72	52	193.44	18.1	943
Olympia Micro™ Acoustical Ceiling	OLPCR669-HNRC	600*600*19	SLT	10	3.60	52	187.20	17.6	915
Olympia Micro™ Acoustical Ceiling	OLPCR229-HNRC	610*610*19	SLT	10	3.72	52	193.44	18.2	946
Olympia Micro™ Acoustical Ceiling	OLPXR629	600*1200*19	SLT	6	4.32	40	172.80	25.7	1,028
Olympia Micro™ Acoustical Ceiling	OLPXR249	610*1220*19	SLT	6	4.46	40	178.56	26.6	1,062
Olympia Micro™ Acoustical Ceiling	OLPCR629-HNRC	600*1200*19	SLT	6	4.32	40	172.80	20.9	834
Olympia Micro™ Acoustical Ceiling	OLPCR249-HNRC	610*1220*19	SLT	6	4.46	40	178.56	21.5	862
Olympia Micro™ Acoustical Ceiling	OLPSRF665	600*600*15	FLB	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPSRF225	610*610*15	FLB	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPCR665	600*600*15	FLB	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPCR225	610*610*15	FLB	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPCR325	300*1200*15	FLB	12	4.32	40	172.80	16.7	666
Olympia Micro™ Acoustical Ceiling	OLPCR145	310*1220*15	FLB	12	4.54	40	181.54	17.5	700
Olympia Micro™ Acoustical Ceiling	OLPSRF669	600*600*19	FLB	10	3.60	52	187.20	17.6	913
Olympia Micro™ Acoustical Ceiling	OLPSRF229	610*610*19	FLB	10	3.72	52	193.44	18.1	943
Olympia Micro™ Acoustical Ceiling	OLPCR669-HNRC	600*600*19	FLB	10	3.60	52	187.20	17.6	915
Olympia Micro™ Acoustical Ceiling	OLPCR229-HNRC	610*610*19	FLB	10	3.72	52	193.44	18.2	946
Olympia Micro™ Acoustical Ceiling	OLPCR629-HNRC	600*1200*19	FLB	6	4.32	40	172.80	20.9	834
Olympia Micro™ Acoustical Ceiling	OLPCR249-HNRC	610*1220*19	FLB	6	4.46	40	178.56	21.5	862
Olympia Micro™ Acoustical Ceiling	OLPCR329	300*1200*19	FLB	10	3.60	40	144.00	16.0	640
Olympia Micro™ Acoustical Ceiling	OLPCR349	310*1220*19	FLB	10	3.78	40	151.28	16.8	672
Olympia Micro™ Acoustical Ceiling	OLPXF665	600*600*15	BESK	12	4.32	32	138.24	22.8	730
Olympia Micro™ Acoustical Ceiling	OLPXF625	600*1200*15	BESK	8	5.76	32	184.32	30.4	973
Olympia Micro™ Acoustical Ceiling	OLPXF669	600*600*19	BESK	10	3.60	32	115.20	19.0	608
Olympia Micro™ Acoustical Ceiling	OLPXF629	600*1200*19	BESK	6	4.32	32	138.24	25.7	822
Olympia Micro™ Acoustical Ceiling	OLPXRFD325	300*1200*15	BESK	12	4.32	32	138.24	29.6	947
Olympia Micro™ Acoustical Ceiling	OLPXRFD355	300*1500*15	D-BESK	8	3.60	32	115.20	22.8	730
Olympia Micro™ Acoustical Ceiling	OLPXRFD385	300*1800*15	D-BESK	8	4.32	32	138.24	27.4	876
Olympia Micro™ Acoustical Ceiling	OLPXRFD625	600*1200*15	D-BESK	8	5.76	32	184.32	36.5	1,167
Olympia Micro™ Acoustical Ceiling	OLPXRFD655	600*1500*15	D-BESK	8	7.20	30	216.00	30.4	912
Olympia Micro™ Acoustical Ceiling	OLPXRFD685	600*1800*15	D-BESK	8	8.64	30	259.20	36.5	1,094
Olympia Micro™ Acoustical Ceiling	OLPXRFD329	300*1200*19	D-BESK	10	3.60	32	115.20	21.4	685
Olympia Micro™ Acoustical Ceiling	OLPXRFD359	300*1500*19	D-BESK	6	2.70	32	86.40	16.1	514
Olympia Micro™ Acoustical Ceiling	OLPXRFD389	300*1800*19	D-BESK	6	3.24	32	103.68	19.3	617
Olympia Micro™ Acoustical Ceiling	OLPXRFD629	600*1200*19	D-BESK	6	4.32	32	138.24	25.7	822
Olympia Micro™ Acoustical Ceiling	OLPXRFD659	600*1500*19	D-BESK	6	5.40	30	162.00	32.1	964
Olympia Micro™ Acoustical Ceiling	OLPXRFD689	600*1800*19	D-BESK	6	6.48	30	194.40	38.6	1,157
Omni Acoustical Ceiling	OMS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Omni Acoustical Ceiling	OMS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Omni Acoustical Ceiling	OMC625	600*1200*15	SQ	8	5.76	40	230.40	20.4	816
Omni Acoustical Ceiling	OMC245	610*1220*15	SQ	8	5.95	40	238.08	21.1	843
Omni Acoustical Ceiling	OMX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Omni Acoustical Ceiling	OMX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Omni Acoustical Ceiling	OMS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M <sup>2</sup> Per Carton	Number Of Carton Per Pallet	M <sup>2</sup> Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Omni Acoustical Ceiling	OMS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Omni Acoustical Ceiling	OMX669	600*600*19	SQ	10	3.60	40	144.00	24.7	986
Omni Acoustical Ceiling	OMX229	610*610*19	SQ	10	3.72	40	148.80	25.5	1,019
Omni Acoustical Ceiling	OMSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Omni Acoustical Ceiling	OMSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDS662	600*600*12	SQ	16	5.76	52	299.52	21.6	1,123
Radar™ Acoustical Ceiling	RDS222	610*610*12	SQ	16	5.95	52	309.50	22.3	1,161
Radar™ Acoustical Ceiling	RDS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDC665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDC225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Radar™ Acoustical Ceiling	RDX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Radar™ Acoustical Ceiling	RDX625	600*1200*15	SQ	8	5.76	40	230.40	20.4	816
Radar™ Acoustical Ceiling	RDX245	610*1220*15	SQ	8	5.95	40	238.08	21.1	843
Radar™ Acoustical Ceiling	RDX669	600*600*19	SQ	10	3.60	40	144.00	24.7	986
Radar™ Acoustical Ceiling	RDX229	610*610*19	SQ	10	3.72	40	148.80	25.5	1,019
Radar™ Acoustical Ceiling	RDC325	300*1200*15	SQ	12	4.32	40	172.80	15.3	612
Radar™ Acoustical Ceiling	RDC145	310*1220*15	SQ	12	4.54	40	181.54	16.1	643
Radar™ Acoustical Ceiling	RDS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDC669-HNRC	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDC229-HNRC	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDC329	300*1200*19	SQ	10	3.60	40	144.00	27.8	1,113
Radar™ Acoustical Ceiling	RDC149	310*1220*19	SQ	10	3.78	40	151.28	29.2	1,170
Radar™ Acoustical Ceiling	RDC669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDC229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDC6622	600*600*22	SQ	8	2.88	56	161.28	18.5	1,039
Radar™ Acoustical Ceiling	RDC2222	610*610*22	SQ	8	2.98	56	166.66	19.2	1,073
Radar™ Acoustical Ceiling	RDSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDCR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDCR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDXR669	600*1200*19	SLT	10	3.60	40	144.00	24.7	986
Radar™ Acoustical Ceiling	RDXR229	610*1220*19	SLT	10	3.72	40	148.80	25.5	1,019
Radar™ Acoustical Ceiling	RDCR325	300*1200*15	SLT	12	4.32	40	172.80	15.7	628
Radar™ Acoustical Ceiling	RDCR145	310*1220*15	SLT	12	4.54	40	181.54	16.2	648
Radar™ Acoustical Ceiling	RDSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDCR669-HNRC	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDCR229-HNRC	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDCR329	300*1200*19	SLT	10	3.60	40	144.00	16.0	640
Radar™ Acoustical Ceiling	RDCR149	310*1220*19	SLT	10	3.78	40	151.28	16.8	672
Radar™ Acoustical Ceiling	RDCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDCR6622	600*600*22	SLT	8	2.88	56	161.28	18.5	1,039
Radar™ Acoustical Ceiling	RDCR2222	610*610*22	SLT	8	2.98	56	166.66	19.2	1,073
Radar™ Acoustical Ceiling	RDSRF665	600*600*15	FLB	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDSRF225	610*610*15	FLB	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDCRF665	600*600*15	FLB	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDCRF225	610*610*15	FLB	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDCRF325	300*1200*15	FLB	12	4.32	40	172.80	15.7	628
Radar™ Acoustical Ceiling	RDCRF145	310*1220*15	FLB	12	4.54	40	181.54	16.2	648
Radar™ Acoustical Ceiling	RDCRF329	300*1200*19	FLB	10	3.60	40	144.00	15.7	628
Radar™ Acoustical Ceiling	RDCRF149	310*1220*19	FLB	10	3.78	40	151.28	16.5	

**ACOUSTICAL CEILING PACKAGING**

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M <sup>2</sup> Per Carton	Number Of Carton Per Pallet	M <sup>2</sup> Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Skylite Acoustic	SKAC629-R6	600*1200*19	SQ	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKAC249-R6	610*1220*19	SQ	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKAR669-R6	600*600*19	SL	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKAR229-R6	610*610*19	SL	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKAR629-R6	600*1200*19	SL	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKAR249-R6	610*1220*19	SL	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKACR669-R6	600*600*19	SL	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKACR229-R6	610*610*19	SL	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKACR629-R6	600*1200*19	SL	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKACR249-R6	610*1220*19	SL	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKARF669-R6	600*600*19	FL	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKARF229-R6	610*610*19	FL	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKARF629-R6	600*1200*19	FL	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKARF249-R6	610*1220*19	FL	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKACRF669-R6	600*600*19	FL	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKACRF229-R6	610*610*19	FL	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKACRF629-R6	600*1200*19	FL	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKACRF249-R6	610*1220*19	FL	6	4.46	40	178.56	19.8	794
Skylite Clean	SKCC665-R6	600*600*15	SQ	12	4.32	40	172.80	19.5	781
Skylite Clean	SKCC225-R6	610*610*15	SQ	12	4.46	40	178.56	20.2	807
Skylite Clean	SKCC625-R6	600*1200*15	SQ	8	5.76	40	230.40	26.0	1,042
Skylite Clean	SKCC245-R6	610*1220*15	SQ	8	5.95	40	238.08	26.9	1,076
Skylite Clean	SKCC669-R6	600*600*19	SQ	12	4.32	40	172.80	19.5	781
Skylite Clean	SKCC229-R6	610*610*19	SQ	12	4.46	40	178.56	20.2	807
Skylite Clean	SKCC629-R6	600*1200*19	SQ	8	5.76	40	230.40	26.0	1,042
Skylite Clean	SKCC249-R6	610*1220*19	SQ	8	5.95	40	238.08	26.9	1,076
Sonata Acoustical Ceiling	SC669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Sonata Acoustical Ceiling	SC229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Sonata Acoustical Ceiling	SC629	600*1200*19	SQ	6	4.32	40	172.80	19.2	768
Sonata Acoustical Ceiling	SC249	610*1220*19	SQ	6	4.46	40	178.56	19.8	794
Sonata Acoustical Ceiling	SC6622	600*600*22	SQ	8	2.88	56	161.28	18.5	1,039
Sonata Acoustical Ceiling	SC2222	610*610*22	SQ	8	2.98	56	166.66	19.2	1,073
Sonata Acoustical Ceiling	SCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Sonata Acoustical Ceiling	SCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Sonata Acoustical Ceiling	SCR629	600*1200*19	SLT	6	4.32	40	172.80	19.2	768
Sonata Acoustical Ceiling	SCR249	610*1220*19	SLT	6	4.46	40	178.56	19.8	794
Sonata Acoustical Ceiling	SCR6622	600*600*22	SLT	8	2.88	56	161.28	18.5	1,039
Sonata Acoustical Ceiling	SCR2222	610*610*22	SLT	8	2.98	56	166.66	19.2	1,073
Sonata Acoustical Ceiling	SCRF669	600*600*19	FLB	10	3.60	52	187.20	16.0	832
Sonata Acoustical Ceiling	SCRF229	610*610*19	FLB	10	3.72	52	193.44	16.5	860
Sonata Acoustical Ceiling	SCRF629	600*1200*19	FLB	6	4.32	40	172.80	19.2	768
Sonata Acoustical Ceiling	SCRF249	610*1220*19	FLB	6	4.46	40	178.56	19.8	794
Sonata Acoustical Ceiling	SCRF6622	600*600*22	FLB	8	2.88	56	161.28	18.5	1,039
Sonata Acoustical Ceiling	SCRF2222	610*610*22	FLB	8	2.98	56	166.66	19.2	1,073
Sonata Acoustical Ceiling	SCFC669	600*600*19	BESK	10	3.60	32	115.20	23.5	752
Sonata Acoustical Ceiling	SCFDC669	600*600*19	D-BESK	10	3.60	32	115.20	23.5	752
Sonata Healthcare Acoustical Ceiling	SC669HC	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Sonata Healthcare Acoustical Ceiling	SC229HC	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Sonata Healthcare Acoustical Ceiling	SC629HC	600*1200*19	SQ	6	4.32	40	172.80	19.2	768
Sonata Healthcare Acoustical Ceiling	SC249HC	610*1220*19	SQ	6	4.46	40	178.56	19.8	794
Sonata Healthcare Acoustical Ceiling	SC6622HC	600*600*22	SQ	8	2.88	40	115.20	18.5	742
Sonata Healthcare Acoustical Ceiling	SC2222HC	610*610*22	SQ	8	2.98	40	119.04	19.2	767
Sonata Healthcare Acoustical Ceiling	SCR669HC	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Sonata Healthcare Acoustical Ceiling	SCR229HC	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Sonata Healthcare Acoustical Ceiling	SCR629HC	600*1200*19	SLT	6	4.32	40	172.80	19.2	768
Sonata Healthcare Acoustical Ceiling	SCR249HC	610*1220*19	SLT	6	4.46	40	178.56	19.8	794
Sonata Healthcare Acoustical Ceiling	SCR6622HC	600*600*22	SLT	8	2.88	40	115.20	18.5	742
Sonata Healthcare Acoustical Ceiling	SCR2222HC	610*610*22	SLT	8	2.98	40	119.04	19.2	767
Sonata Healthcare Acoustical Ceiling	SCRF669HC	600*600*19	FLB	10	3.60	52	187.20	16.0	832
Sonata Healthcare Acoustical Ceiling	SCRF229HC	610*610*19	FLB	10	3.72	52	193.44	16.5	860
Sonata Healthcare Acoustical Ceiling	SCRF629HC	600*1200*19	FLB	6	4.32	40	172.80	19.2	768
Sonata Healthcare Acoustical Ceiling	SCRF249HC	610*1220*19	FLB	6	4.46	40	178.56	19.8	794
Sonata Healthcare Acoustical Ceiling	SCRF6622HC	600*600*22	FLB	8	2.88	40	115.20	18.5	742

**ACOUSTICAL CEILING PACKAGING**

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M <sup>2</sup> Per Carton	Number Of Carton Per Pallet	M <sup>2</sup> Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Sonata Healthcare Acoustical Ceiling	SCRF2222HC	610*610*22	FLB	8	2.98	40	119.04	19.2	767
Sparta Acoustical Ceiling	LSP665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Sparta Acoustical Ceiling	LSP225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Sparta Acoustical Ceiling	LPW665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Sparta Acoustical Ceiling	LPW225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Sparta Acoustical Ceiling	LSP669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Sparta Acoustical Ceiling	LSP229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Sparta Acoustical Ceiling	LPW669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Sparta Acoustical Ceiling	LPW229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Taiga Acoustical Ceiling	TS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Taiga Acoustical Ceiling	TS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Taiga Acoustical Ceiling	TS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Taiga Acoustical Ceiling	TS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Taiga Acoustical Ceiling	TSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Taiga Acoustical Ceiling	TSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Taiga Acoustical Ceiling	TSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Taiga Acoustical Ceiling	TSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Taiga Acoustical Ceiling	TSRF665	600*600*15	FLB	12	4.32	56	241.92	15.3	857
Taiga Acoustical Ceiling	TSRF225	610*610*15	FLB	12	4.46	56	249.98	15.8	885
Taiga Chessboard Design Acoustical Ceiling	CHSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Taiga Chessboard Design Acoustical Ceiling	CHSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Taiga Comet Line Design Acoustical Ceiling	CSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Taiga Comet Line Design Acoustical Ceiling	CSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Taiga Hygiene Acoustical Ceiling	THS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Taiga Hygiene Acoustical Ceiling	THS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Taiga Hygiene Acoustical Ceiling	THS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Taiga Hygiene Acoustical Ceiling	THS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Taiga Hygiene Acoustical Ceiling	THSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Taiga Hygiene Acoustical Ceiling	THSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Taiga Hygiene Acoustical Ceiling	THSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Taiga Hygiene Acoustical Ceiling	THSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Taiga Hygiene Acoustical Ceiling	THSRF669	600*600*19	FLB	10	3.60	52	187.20	16.0	832
Taiga Hygiene Acoustical Ceiling	THSRF229	610*610*19	FLB	10	3.72	52	193.44	16.5	860
Taiga Perforated Acoustical Ceiling	TPS662	600*600*12	SQ	16	5.76	52	299.52	21.6	1,123
Taiga Perforated Acoustical Ceiling	TPS222	610*610*12	SQ	16	5.95	52	309.50	22.3	1,161
Taiga Perforated Acoustical Ceiling	TPS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPC665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPC225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPC625	600*1200*15	SQ	8	5.76	40	230.40	27.2	1,088
Taiga Perforated Acoustical Ceiling	TPC245	610*1220*15	SQ	8	5.95	40	238.08	28.1	1,124
Taiga Perforated Acoustical Ceiling	TPC666-HNRC	600*600*16	SQ	12	4.32	52	224.64	15.3	796
Taiga Perforated Acoustical Ceiling	TPC226-HNRC	610*610*16	SQ	12	4.46	52	232.13	15.8	821
Taiga Perforated Acoustical Ceiling	TPC669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Taiga Perforated Acoustical Ceiling	TPC229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Taiga Perforated Acoustical Ceiling	TPSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPCR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPCR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPCR625	600*1200*15	SLT	8	5.76	40	230.40	27.2	1,088
Taiga Perforated Acoustical Ceiling	TPCR245	610*1220*15	SLT	8	5.95	40	238.08	28.1	1,124
Taiga Perforated Acoustical Ceiling	TPCR666-HNRC	600*600*16	SLT	12	4.32	52	224.64	15.3	796
Taiga Perforated Acoustical Ceiling	TPCR226-HNRC	610*610*16	SLT	12	4.46	52	232.13	15.8	821
Taiga Perforated Acoustical Ceiling	TPCR669	600*600*19	SLT	12	4.32	52	224.64	15.3	796
Taiga Perforated Acoustical Ceiling	TPCR229	610*610*19	SLT	12	4.46	52	232.13	15.8	821
Taiga Perforated Acoustical Ceiling	TPSRF665	600*600*15	FLB	12					

**ACOUSTICAL CEILING PACKAGING**

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M <sup>2</sup> Per Carton	Number Of Carton Per Pallet	M <sup>2</sup> Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Taiga Perforated Acoustical Ceiling	TPSRF669	600*600*19	FLB	10	3.60	52	187.20	16.0	832
Taiga Perforated Acoustical Ceiling	TPSRF229	610*610*19	FLB	10	3.72	52	193.44	16.5	860
Halcyon™ Acoustical Ceiling	HC669	600*600*19	SQ	10	3.60	40	144.00	7.5	300
Halcyon™ Acoustical Ceiling	HC229	610*610*19	SQ	10	3.72	40	148.80	7.8	310
Halcyon™ Acoustical Ceiling	HC629	600*1200*19	SQ	6	4.32	40	172.80	9.0	360
Halcyon™ Acoustical Ceiling	HC249	610*1220*19	SQ	6	4.46	40	178.56	9.3	372
Halcyon™ Acoustical Ceiling	HC6625	600*600*25	SQ	8	2.88	40	115.20	6.9	276
Halcyon™ Acoustical Ceiling	HC2225	610*610*25	SQ	8	2.98	40	119.04	7.1	285
Halcyon™ Acoustical Ceiling	HC6638	600*600*38	SQ	6	2.16	40	86.40	9.0	360
Halcyon™ Acoustical Ceiling	HC2238	610*610*38	SQ	6	2.23	40	89.28	9.3	372
Halcyon™ Acoustical Ceiling	HCR6625	600*600*25	SL	8	2.88	40	115.20	7.9	316
Halcyon™ Acoustical Ceiling	HCR2225	610*610*25	SL	8	2.98	40	119.04	8.2	327
Halcyon™ Acoustical Ceiling	HCR6225	600*1200*25	SL	8	5.76	20	115.20	15.8	316
Halcyon™ Acoustical Ceiling	HCR2425	610*1220*25	SL	8	5.95	20	119.04	16.3	327
Halcyon™ Acoustical Ceiling	HCR6638	600*600*38	SL	6	2.16	40	86.40	9.0	360
Halcyon™ Acoustical Ceiling	HCR2238	610*610*38	SL	6	2.23	40	89.28	9.3	372
Halcyon™ Acoustical Ceiling	HCR6238	600*1200*38	SL	6	4.32	20	86.40	18.0	360
Halcyon™ Acoustical Ceiling	HCR2438	610*1220*38	SL	6	4.46	20	89.28	18.6	372
Halcyon™ Acoustical Ceiling	HCRF6625	600*600*25	FL	8	2.88	40	115.20	8.2	328
Halcyon™ Acoustical Ceiling	HCRF2225	610*610*25	FL	8	2.98	40	119.04	8.5	339
Halcyon™ Acoustical Ceiling	HCRF6225	600*1200*25	FL	8	5.76	20	115.20	8.5	170
Halcyon™ Acoustical Ceiling	HCRF2425	610*1220*25	FL	8	5.95	20	119.04	8.8	176
Halcyon™ Acoustical Ceiling	HCRF6638	600*600*38	FL	6	2.16	40	86.40	9.0	360
Halcyon™ Acoustical Ceiling	HCRFDC669	600*600*19	D-BESK	10	3.60	32	115.20	10.3	328
Halcyon™ Acoustical Ceiling	HCRFDC629	600*1200*19	D-BESK	6	4.32	32	138.24	12.3	394
Halcyon™ Acoustical Ceiling	HCRFDC6625	600*600*25	D-BESK	8	2.88	32	92.16	10.8	346
Halcyon™ Acoustical Ceiling	HCRFDC6225	600*1200*25	D-BESK	8	5.76	32	184.32	21.6	691
Halcyon™ Acoustical Ceiling	HCRFDC6638	600*600*38	D-BESK	6	2.16	32	69.12	12.3	394
Halcyon™ Acoustical Ceiling	HCRFDC6238	600*1200*38	S-BESK	6	4.32	32	138.24	24.6	787
Halcyon™ Acoustical Ceiling	HCDSC6625	600*600*25	S-BESK	8	2.88	32	92.16	10.8	346
Halcyon™ Acoustical Ceiling	HCDSC6225	600*1200*25	S-BESK	8	5.76	32	184.32	21.6	691
Halcyon™ Healthcare Acoustical Ceiling	HC669-HC	600*600*19	SQ	10	3.60	40	144.00	7.5	300
Halcyon™ Healthcare Acoustical Ceiling	HC229-HC	610*610*19	SQ	10	3.72	40	148.80	7.8	310
Halcyon™ Healthcare Acoustical Ceiling	HC629-HC	600*1200*19	SQ	6	4.32	40	172.80	9.0	360
Halcyon™ Healthcare Acoustical Ceiling	HC249-HC	610*1220*19	SQ	6	4.46	40	178.56	9.3	372
Halcyon™ Healthcare Acoustical Ceiling	HC6625-HC	600*600*25	SQ	8	2.88	40	115.20	6.9	276
Halcyon™ Healthcare Acoustical Ceiling	HC2225-HC	610*610*25	SQ	8	2.98	40	119.04	7.1	285
Halcyon™ Healthcare Acoustical Ceiling	HC6225-HC	600*1200*25	SQ	8	5.76	20	115.20	13.8	276
Halcyon™ Healthcare Acoustical Ceiling	HC2425-HC	610*1220*25	SQ	8	5.95	20	119.04	14.3	285
Halcyon™ Healthcare Acoustical Ceiling	HC6638-HC	600*600*38	SQ	6	2.16	40	86.40	8.5	340
Halcyon™ Healthcare Acoustical Ceiling	HC2238-HC	610*610*38	SQ	6	2.23	40	89.28	8.8	351
Halcyon™ Healthcare Acoustical Ceiling	HC6238-HC	600*1220*38	SQ	6	4.32	20	86.40	17.0	340
Halcyon™ Healthcare Acoustical Ceiling	HC2238-HC	610*1220*38	SQ	6	4.46	20	89.28	17.6	351
Halcyon™ Healthcare Acoustical Ceiling	HCRF6625-HC	600*600*25	FL	8	2.88	40	115.20	6.9	276
Halcyon™ Healthcare Acoustical Ceiling	HCRF2225-HC	610*610*25	FL	8	2.98	40	119.04	7.1	285
Halcyon™ Healthcare Acoustical Ceiling	HCRF6225-HC	600*1200*25	FL	8	5.76	20	115.20	13.8	276
Halcyon™ Healthcare Acoustical Ceiling	HCRF2425-HC	610*1220*25	FL	8	5.95	20	119.04	14.3	285
Halcyon™ Healthcare Acoustical Ceiling	HCR6625-HC	600*600*25	SL	8	2.88	40	115.20	6.9	276
Halcyon™ Healthcare Acoustical Ceiling	HCR2225-HC	610*610*25	SL	8	2.98	40	119.04	7.1	285
Halcyon™ Healthcare Acoustical Ceiling	HCR6225-HC	600*1200*25	SL	8	5.76	20	115.20	13.8	276
Halcyon™ Healthcare Acoustical Ceiling	HCR2425-HC	610*1220*25	SL	8	5.95	20	119.04	14.3	285
Halcyon™ Black Acoustical Ceiling	HC669B	600*600*19	SQ	10	3.60	40	144.00	7.5	300
Halcyon™ Black Acoustical Ceiling	HC229B	610*610*19	SQ	10	3.72	40	148.80	7.8	310
Halcyon™ Black Acoustical Ceiling	HC629B	600*1200*19	SQ	6	4.32	40	172.80	9.0	360
Halcyon™ Black Acoustical Ceiling	HC249B	610*1220*19	SQ	6	4.46	40	178.56	9.3	372
Halcyon™ Black Acoustical Ceiling	HC6625B	600*600*25	SQ	8	2.88	40	115.20	6.9	276
Halcyon™ Black Acoustical Ceiling	HC2225B	610*610*25	SQ	8	2.98	40	119.04	7.1	285
Halcyon™ Black Acoustical Ceiling	HC6238B	600*1200*38	SQ	6	4.32	20	86.40	10.4	207
Halcyon™ Black Acoustical Ceiling	HC2438B	610*1220*38	SQ	6	4.46	20	89.28	10.7	214
Halcyon™ Black Acoustical Ceiling	HC6638B	600*600*38	SQ	6	2.16	40	86.40	8.5	340
Halcyon™ Black Acoustical Ceiling	HC2238B	610*610*38	SQ	6	2.23	40	89.28	8.8	351
Halcyon™ Black Acoustical Ceiling	HCE6240B-AF*	600*1200*40	SQ	6	4.32	20	86.40	17.0	340
Halcyon™ Black Acoustical Ceiling	HCE2440B-AF*	610*1220*40	SQ	6	4.46	20	89.28	17.6	351

**ACOUSTICAL CEILING PACKAGING**

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M <sup>2</sup> Per Carton	Number Of Carton Per Pallet	M <sup>2</sup> Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Halcyon™ Black Acoustical Ceiling	HCE6640B-AF*	600*600*40	SQ	8	2.88	40	115.20	6.9	276
Halcyon™ Black Acoustical Ceiling	HCE2240B-AF*	610*610*40	SQ	8	2.98	40	119.04	7.1	285
Halcyon™ Black Acoustical Ceiling	HCE6650B	600*600*50	SQ	4	1.44	40	57.60	7.9	316
Halcyon™ Black Acoustical Ceiling	HCE2250B	610*610*50	SQ	4	1.49	40	59.52	8.2	327
Halcyon™ Black Acoustical Ceiling	HCE6250B	600*1200*50	SQ	4	2.88	20	57.60	15.8	317
Halcyon™ Black Acoustical Ceiling	HCE2450B	610*1220*50	SQ	4	2.98	20	59.52	16.4	327
Louna™ Elegant Acoustical Ceiling	LC669	600*600*19	SQ	10	3.60	40	144.00	7.5	300
Louna™ Elegant Acoustical Ceiling	LC229	610*610*19	SQ	10	3.72	40	148.80	7.8	310
Louna™ Elegant Acoustical Ceiling	LC6625	600*600*25	SQ	8	2.88	40	115.20	6.9	276
Louna™ Elegant Acoustical Ceiling	LC2225	610*610*25	SQ	8	2.98	40	119.04	7.1	285
Louna™ Elegant Acoustical Ceiling	LC3225	300*1200*25	SQ	8	2.88	40	115.20	6.9	276
Louna™ Elegant Acoustical Ceiling	LC1425	310*1220*25	SQ	8	3.03	40	121.02	7.2	290
Louna™ Elegant Acoustical Ceiling	LC6625-AF*	600*600*25	SQ	8	2.88	40	115.20	7.5	300
Louna™ Elegant Acoustical Ceiling	LC2225-AF*	610*610*25	SQ	8	2.98	40	119.04	7.8	310
Louna™ Elegant Acoustical Ceiling	LC6638-AF*	600*600*38	SQ	6	2.16	40	86.40	8.5	340
Louna™ Elegant Acoustical Ceiling	LC2238-AF*	610*610*38	SQ	6	2.23	40	89.28	8.8	351
Louna™ Elegant Acoustical Ceiling	LCR669	600*600*19	SL	10	3.60	40	144.00	10.3	410
Louna™ Elegant Acoustical Ceiling	LCR229	610*610*19	SL	10	3.78	40	151.28	10.8	431
Louna™ Elegant Acoustical Ceiling	LCR6625	600*600*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Elegant Acoustical Ceiling	LCR2225	610*610*25	SL	8	2.98	40	119.04	11.2	446
Louna™ Elegant Acoustical Ceiling	LCR3225	300*1200*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Elegant Acoustical Ceiling	LCR1425	310*1220*25	SL	8	3.03	40	121.02	11.3	454
Louna™ Elegant Acoustical Ceiling	LCR6225	600*1200*25	SL	8	5.76	20	115.20	21.6	432
Louna™ Elegant Acoustical Ceiling	LCR2425	610*1220*25	SL	8	5.95	20	119.04	22.3	446
Louna™ Elegant Acoustical Ceiling	LCRF669	600*600*19	FL	10	3.60	40	144.00	10.3	412
Louna™ Elegant Acoustical Ceiling	LCRF229	610*610*19	FL	10	3.72	40	148.80	10.6	426
Louna™ Elegant Acoustical Ceiling	LCRF6625	600*600*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Elegant Acoustical Ceiling	LCRF2225	610*610*25	FL	8	2.98	40	119.04	11.2	446
Louna™ Elegant Acoustical Ceiling	LCRF6225	600*1200*25	FL	8	2.88	20	57.60	10.8	216
Louna™ Elegant Acoustical Ceiling	LCRF2425	610*1220*25	FL	8	2.98	20	59.52	11.2	223
Louna™ Elegant Acoustical Ceiling	LCRF3225	300*1200*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Elegant Acoustical Ceiling	LCRF1425	310*1220*25	FL	8	3.03	40	121.02	11.4	454
Louna™ Elegant Acoustical Ceiling	LCRFDC669	600*600*19	D-BESK	10	3.60	32	115.20	10.3	330
Louna™ Elegant Acoustical Ceiling	LCRFDC6625	600*600*25	D-BESK	10	3.72	32	119.04	10.6	341
Louna™ Elegant Acoustical Ceiling	LCRFDC6638	600*600*38	D-BESK	6	2.16	32	69.12	12.3	394
Louna™ Elegant Acoustical Ceiling	LCDSC6625	600*600*25	S-BESK	8	2.88	32	92.16	10.8	346
Louna™ Elite Acoustical Ceiling	LEC669	600*600*19	SQ	10	3.60	40	144.00	10.3	412
Louna™ Elite Acoustical Ceiling	LEC229	610*610*19	SQ	10	3.72	40	148.80	10.6	426
Louna™ Elite Acoustical Ceiling	LEC629	600*1200*19	SQ	6	4.32	40	172.80	12.4	494
Louna™ Elite Acoustical Ceiling	LEC249	610*1220*19	SQ	6	4.46	40	178.56	12.8	511
Louna™ Elite Acoustical Ceiling	LEC6625	600*600*25	SQ	8	2.88	40	115.20	10.8	432
Louna™ Elite Acoustical Ceiling	LEC2225	610*610*25	SQ	8	2.98	40	119.04	11.2	446
Louna™ Elite Acoustical Ceiling	LEC6225	600*1200*25	SQ	8	5.76	20	115.20	21.6	432
Louna™ Elite Acoustical Ceiling	LEC2425	610*1220*25	SQ	8	5.95	20	119.04	22.3	446
Louna™ Elite Acoustical Ceiling	LECR669	600*600*19	SL	10	3.60	40	144.00	10.3	412
Louna™ Elite Acoustical Ceiling	LECR229	610*610*19	SL	10	3.72	40	148.80	10.6	426
Louna™ Elite Acoustical Ceiling	LECR629	600*1200*19	SL	6	4.32	40	172.80	12.4	494
Louna™ Elite Acoustical Ceiling	LECR249	610*1220*19	SL	6	4.46	40	178.56	12.8	511
Louna™ Elite Acoustical Ceiling	LECR6625	600*600*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Elite Acoustical Ceiling	LECR2225	610*610*25	SL	8	2.98	40	119.04	11.2	446
Louna™ Elite Acoustical Ceiling	LECR6225	600*1200*25	SL	8	5.76	20	115.20	21.6	432
Louna™ Elite Acoustical Ceiling	LECR2425	610*1220*25	SL	8	5.95	20	119.04	22.3	446
Louna™ Elite Acoustical Ceiling	LECRF669	600*600*19	FL	10	3.60	40	144.00	10.3	412
Louna™ Elite Acoustical Ceiling	LECRF229	610*610*19	FL	10	3.72	40	148.80	10.6	426
Louna™ Elite Acoustical Ceiling	LECRF629	600*1200*19	FL	6	4.32	40	172.80	12.4	494
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ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M² Per Carton	Number Of Carton Per Pallet	M² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Louna™ Natural Acoustical Ceiling	LNC245	610*1220*15	SQ	8	5.95	40	238.08	8.9	357
Louna™ Natural Acoustical Ceiling	LNC669	600*600*19	SQ	10	3.60	40	144.00	6.5	260
Louna™ Natural Acoustical Ceiling	LNC229	610*610*19	SQ	10	3.72	40	148.80	6.7	269
Louna™ Natural Acoustical Ceiling	LNC629	600*1200*19	SQ	6	4.32	40	172.80	7.8	312
Louna™ Natural Acoustical Ceiling	LNC249	610*1220*19	SQ	6	4.46	40	178.56	8.1	322
Louna™ Hygiene Acoustical Ceiling	LC669H	600*600*19	SQ	10	3.60	40	144.00	6.5	260
Louna™ Hygiene Acoustical Ceiling	LC229H	610*610*19	SQ	10	3.72	40	148.80	6.7	269
Louna™ Hygiene Acoustical Ceiling	LC6625H	600*600*25	SQ	8	2.88	40	115.20	7.2	288
Louna™ Hygiene Acoustical Ceiling	LC2225H	610*610*25	SQ	8	2.98	40	119.04	7.4	298
Louna™ Hygiene Acoustical Ceiling	LC3225H	300*1200*25	SQ	8	2.88	40	115.20	7.2	288
Louna™ Hygiene Acoustical Ceiling	LC1425H	310*1220*25	SQ	8	3.03	40	121.02	7.6	303
Louna™ Hygiene Acoustical Ceiling	LC6625-AFH*	600*600*25	SQ	8	2.88	40	115.20	7.2	288
Louna™ Hygiene Acoustical Ceiling	LC2225-AFH*	610*610*25	SQ	8	2.98	40	119.04	7.4	298
Louna™ Hygiene Acoustical Ceiling	LC6638-AFH*	600*600*38	SQ	6	2.16	40	86.40	8.2	328
Louna™ Hygiene Acoustical Ceiling	LC2238-AFH*	610*610*38	SQ	6	2.23	40	89.28	8.5	339
Louna™ Hygiene Acoustical Ceiling	LCR669H	600*600*19	SL	10	3.60	40	144.00	10.3	410
Louna™ Hygiene Acoustical Ceiling	LCR229H	610*610*19	SL	10	3.72	40	148.80	10.6	424
Louna™ Hygiene Acoustical Ceiling	LCR6625H	600*600*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Hygiene Acoustical Ceiling	LCR2225H	610*610*25	SL	8	2.98	40	119.04	11.2	446
Louna™ Hygiene Acoustical Ceiling	LCR3225H	300*1200*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Hygiene Acoustical Ceiling	LCR1425H	310*1220*25	SL	8	3.03	40	121.02	11.3	452
Louna™ Hygiene Acoustical Ceiling	LCR6225H	600*1200*25	SL	8	5.76	20	115.20	21.6	432
Louna™ Hygiene Acoustical Ceiling	LCR2425H	610*1220*25	SL	8	5.95	20	119.04	22.3	446
Louna™ Hygiene Acoustical Ceiling	LCRF669H	600*600*19	FL	10	3.60	40	144.00	10.3	410
Louna™ Hygiene Acoustical Ceiling	LCRF229H	610*610*19	FL	10	3.72	40	148.80	10.6	424
Louna™ Hygiene Acoustical Ceiling	LCRF6625H	600*600*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Hygiene Acoustical Ceiling	LCRF2225H	610*610*25	FL	8	2.98	40	119.04	11.2	446
Louna™ Hygiene Acoustical Ceiling	LCRF6225H	600*1200*25	FL	8	2.88	20	57.60	10.8	216
Louna™ Hygiene Acoustical Ceiling	LCRF2425H	610*1220*25	FL	8	3.03	20	60.51	11.3	226
Louna™ Hygiene Acoustical Ceiling	LCRF3225H	300*1200*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Hygiene Acoustical Ceiling	LCRF1425H	310*1220*25	FL	8	3.03	40	121.02	11.4	454
Louna™ Hygiene Acoustical Ceiling	LCRFDC669H	600*600*19	D-BESK	10	3.60	32	115.20	10.3	328
Louna™ Hygiene Acoustical Ceiling	LCRFDC6625H	600*600*25	D-BESK	10	3.72	32	119.04	10.8	346
Louna™ Hygiene Acoustical Ceiling	LCRFDC6638H	600*600*38	D-BESK	6	2.16	32	69.12	12.3	394
Louna™ Hygiene Acoustical Ceiling	LCDSC6625H	600*600*25	S-BESK	8	2.88	32	92.16	16.4	525
Louna™ Hi CAC Acoustical Ceiling	LX6643-MF	600*600*43	SQ	4	1.44	40	57.60	10.2	406
Louna™ Hi CAC Acoustical Ceiling	LX2243-MF	610*610*43	SQ	4	1.49	40	59.52	10.5	420
Louna™ Hi CAC Acoustical Ceiling	LX6243-MF	600*1200*43	SQ	4	2.88	20	57.60	20.3	406
Louna™ Hi CAC Acoustical Ceiling	LX2443-MF	610*1220*43	SQ	4	2.98	20	59.52	21.0	420
Louna™ Hi CAC Acoustical Ceiling	LX6253-MF	600*600*53	SQ	4	1.44	40	57.60	16.4	655
Louna™ Hi CAC Acoustical Ceiling	LX2453-MF	610*610*53	SQ	4	1.49	40	59.52	16.9	677
Louna™ Hi CAC Acoustical Ceiling	LX6253-MF	600*1200*53	SQ	4	2.88	20	57.60	32.8	655
Louna™ Hi CAC Acoustical Ceiling	LX2453-MF	610*1220*53	SQ	4	2.98	20	59.52	32.8	655
Louna™ Hi CAC Acoustical Ceiling	LX6643-MF	600*600*43	FL	4	1.44	40	57.60	10.9	435
Louna™ Hi CAC Acoustical Ceiling	LX6643-MF	610*1220*43	FL	4	2.98	20	59.52	22.5	449
Louna™ Hi CAC Acoustical Ceiling	LX6243-MF	600*1200*43	FL	4	2.88	20	57.60	21.7	435
Louna™ Hi CAC Acoustical Ceiling	LX6243-MF	610*1220*43	FL	4	2.98	20	59.52	22.5	449
Louna™ Hi CAC Acoustical Ceiling	LX6253-MF	600*600*53	FL	4	1.44	40	57.60	16.4	655
Louna™ Hi CAC Acoustical Ceiling	LX6253-MF	610*1220*53	FL	4	2.98	20	59.52	33.9	677
Louna™ Hi CAC Acoustical Ceiling	LX6253-MF	600*1200*53	FL	4	2.88	20	57.60	32.8	655
Louna™ Hi CAC Acoustical Ceiling	LX6253-MF	610*1220*53	FL	4	2.98	20	59.52	33.9	677
Louna™ Hi CAC Black Acoustical Ceiling	LX6643B-MF	600*600*43	SQ	4	1.44	40	57.60	10.2	406
Louna™ Hi CAC Black Acoustical Ceiling	LX2243B-MF	610*610*43	SQ	4	1.49	40	59.52	10.5	420
Louna™ Hi CAC Black Acoustical Ceiling	LX6243B-MF	600*1200*43	SQ	4	2.88	20	57.60	20.3	406
Louna™ Hi CAC Black Acoustical Ceiling	LX2443B-MF	610*1220*43	SQ	4	2.98	20	59.52	21.0	420
Louna™ Hi CAC Black Acoustical Ceiling	LX6653B-MF	600*600*53	SQ	4	1.44	40	57.60	16.4	655
Louna™ Hi CAC Black Acoustical Ceiling	LX2453B-MF	610*610*53	SQ	4	1.49	40	59.52	16.4	655
Louna™ Hi CAC Black Acoustical Ceiling	LX6253B-MF	600*1200*53	SQ	4	2.88	20	57.60	16.4	655
Louna™ Hi CAC Black Acoustical Ceiling	LX2453B-MF	610*1220*53	SQ	4	2.98	20	59.52	16.4	655
Louna™ Hi CAC Black Acoustical Ceiling	LX6253B-MF	600*1200*53	SQ	4	2.88	20	57.60	16.4	655
Louna™ Hi CAC Black Acoustical Ceiling	LX2453B-MF	610*1220*53	SQ	4	2.98	20	59.52	16.4	655
Painted Gypsum Ceiling	GT-BS6609	600*600*9.5	SQ	8	2.88	64	184.32	20.5	1,312
Painted Gypsum Ceiling	GT-BS2209	610*610*9.5	SQ	6	2.98	64	190.46	21.2	1,356
Painted Gypsum Ceiling	GT-BS662	600*600*12.5	SQ	6	2.16	64	138.24	21.0	1,344
Painted Gypsum Ceiling	GT-BS222	610*610*12.5	SQ	6	2.23	64	142.85	21.7	1,389

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M² Per Carton	Number Of Carton Per Pallet	M² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Painted Gypsum Ceiling	GT-BS622	600*1200*12.5	SQ	6	4.32	32	138.24	42.0	1,344
Painted Gypsum Ceiling	GT-BS242	610*1220*12.5	SQ	6	4.46	32	142.85	43.4	1,389
Painted Gypsum Ceiling	GT-BSR662	600*600*12.5	SL	6	2.16	64	138.24	21.0	1,344
Painted Gypsum Ceiling	GT-BSR222	610*610*12.5	SL	6	2.23	64	142.85	21.7	1,389
Painted Gypsum Ceiling	GT-BSR622	600*1200*12.5	SL	6	4.32	32	138.24	42.0	1,344
Painted Gypsum Ceiling	GT-BSR242	610*1220*12.5	SL	6	4.46	32	142.85	43.4	1,389
Painted Gypsum Ceiling	GT-BSRF662	600*600*12.5	FL	6	2.16	64	138.24	21.0	1,344
Painted Gypsum Ceiling	GT-BSRF222	610*610*12.5	FL	6	2.23	64	142.85	21.7	1,389
Painted Gypsum Ceiling	GT-BSRF622	600*1200*12.5	FL	6	4.32	32	138.24	42.0	1,344
Painted Gypsum Ceiling	GT-BSRF242	610*1220*12.5	FL	6	4.46	32	142.85	43.4	1,389
Shades Gypsum Ceiling	LG-SP6609	600*600*9.5	SQ	8	2.88	64	184.32	20.5	1,312
Shades Gypsum Ceiling	LG-SP2209	610*610*9.5	SQ	8	2.98	64	190.46	21.2	1,356
Shades Gypsum Ceiling	LG-SP662	600*600*12.5	SQ	6	2.16	64	138.24	18.5	1,184
Shades Gypsum Ceiling	LG-SP222	610*610*12.5	SQ	6	2.23	64	142.85	19.1	1,223
Shades Gypsum Ceiling	LG-SP622	600*1200*12.5	SQ	6	4.32	32	138.24	42.0	1,344
Shades Gypsum Ceiling	LG-SP242	610*1220*12.5	SQ	6	4.46	32	142.85	43.4	1,389
Shades Gypsum Ceiling	LG-SPRF662	600*600*12.5	SL	6	2.16	64	138.24	21.0	1,344
Shades Gypsum Ceiling	LG-SPRF222	610*610*12.5	SL	6	2.23	64	142.85	21.7	1,389
Shades Gypsum Ceiling	LG-SPRF622	600*1200*12.5	FL	6	4.32	32	138.24	42.0	1,344
Shades Gypsum Ceiling	LG-SPRF242	610*1220*12.5	FL	6	4.46	32	142.85	43.4	1,389
Soundblock Gypsum Ceiling - R6	GT-PS6609-R6	600*600*9.5	SQ	8	2.88	64	184.32	19.0	1,216
Soundblock Gypsum Ceiling - R6	GT-PS2209-R6	610*610*9.5	SQ	8	2.98	64	190.46	19.6	1,257
Soundblock Gypsum Ceiling - R6	GT-PS662-R6	600*600*12.5	SQ	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	GT-PS222-R6	610*610*12.5	SQ	6	2.23	64	142.85	19.1	1,223
Soundblock Gypsum Ceiling - R6	GT-PS622-R6	600*1200*12.5	SQ	6	4.32	32	138.24	37.0	1,184
Soundblock Gypsum Ceiling - R6	GT-PS242-R6	610*1220*12.5	SQ	6	4.46	32	142.85	38.2	1,223
Soundblock Gypsum Ceiling - R6	LG-SP6609-R6	600*600*9.5	SQ	8	2.88	64	184.32	19.0	1,216
Soundblock Gypsum Ceiling - R6	LG-SP2209-R6	610*610*9.5	SQ	8	2.98	64	190.46	19.6	1,257
Soundblock Gypsum Ceiling - R6	LG-SP662-R6	600*600*12.5	SQ	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	LG-SP222-R6	610*610*12.5	SQ	6	2.23	64	142.85	19.1	1,223
Soundblock Gypsum Ceiling - R6	LG-SP622-R6	600*1200*12.5	SQ	6	4.32	32	138.24	37.0	1,184
Soundblock Gypsum Ceiling - R6	LG-SP242-R6	610*1220*12.5	SQ	6	4.46	32	142.85	38.2	1,223
Soundblock Gypsum Ceiling - R6	GT-PSR662-R6	600*600*12.5	SL	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	GT-PSR222-R6	610*610*12.5	SL	6	2.23	64	142.85	19.1	1,223
Soundblock Gypsum Ceiling - R6	GT-PSR622-R6	600*1200*12.5	FL	6	4.32	32	138.24	38.2	1,223
Soundblock Gypsum Ceiling - R6	GT-PSR242-R6	610*1220*12.5	FL	6	4.46	32	142.85	39.4	1,263
Soundblock Gypsum Ceiling - R6	LG-SPRF662-R6	600*600*12.5	FL	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	LG-SPRF222-R6	610*610*12.5	FL	6	2.23	64	142.85	19.1	1,223
Soundblock Gypsum Ceiling - R6	LG-SPRF622-R6	600*1200*12.5	FL	6	4.32	32	138.24	38.2	1,223
Soundblock Gypsum Ceiling - R6	LG-SPRF242-R6	610*1220*12.5	FL	6	4.46	32	142.85	39.4	1,263
Soundblock Gypsum Ceiling - R8-15-20	GT-PS6609-R8-15-20	600*600*9.5	SQ	8	2.88	64	184.32	16.7	1,069
Soundblock Gypsum Ceiling - R8-15-20	GT-PS662-R8-15-20	600*600*12.5	SQ	6	2.16	64	138.24	16.4	1,052
Soundblock Gypsum Ceiling - R8-15-20	GT-PS222-R8-15-20	600*1200*12.5	SQ	6	4.32	32	138.24	32.9	1,052
Soundblock Gypsum Ceiling - R8-15-20	GT-PS242-R8-15-20	610*1220*12.5	SQ	6	4.46	32	142.85	34.1	1,091
Soundblock Gypsum Ceiling - R8-15-20	LG-SP6609-R8-15-20	600*600*9.5	SQ	8	2.88	64	184.32	16.7	1,069
Soundblock Gypsum Ceiling - R8-15-20	LG-SP662-R8-15-20	600*600*12.5	SQ	6	2.16	64	138.24	16.4	1,052
Soundblock Gypsum Ceiling - R8-15-20	LG-SP222-R8-15-20	600*1200*12.5	SQ	6	4.32	32	138.24	32.9	1,052
Soundblock Gypsum Ceiling - R8-15-20	LG-SP242-R8-15-20	610*1220*12.5	SQ	6	4.46	32	142.85	34.1	1,091
Soundblock Gypsum Ceiling - R8-15-20	GT-PSR662-R8-15-20	600*600*12.5	SL	6	2.16	64	138.24	16.7	1,069

**ACOUSTICAL CEILING PACKAGING**

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M² Per Carton	Number Of Carton Per Pallet	M² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Soundblock Gypsum Ceiling - Q3	LG-SP622-Q3	600*1200*12.5	SQ	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q3	GT-PSR662-Q3	600*600*12.5	SL	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	GT-PSR622-Q3	600*1200*12.5	SL	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q3	LG-SPR662-Q3	600*600*12.5	SL	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	LG-SPR622-Q3	600*1200*12.5	SL	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q3	GT-PSRF662-Q3	600*600*12.5	FL	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	GT-PSRF622-Q3	600*1200*12.5	FL	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q3	LG-SPRF662-Q3	600*600*12.5	FL	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	LG-SPRF622-Q3	600*1200*12.5	FL	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q9	GT-PS6609-Q9	600*600*9.5	SQ	8	2.88	64	184.32	17.6	1,126
Soundblock Gypsum Ceiling - Q9	GT-PS662-Q9	600*600*12.5	SQ	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PS622-Q9	600*1200*12.5	SQ	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SP6609-Q9	600*600*9.5	SQ	8	2.88	64	184.32	17.6	1,126
Soundblock Gypsum Ceiling - Q9	LG-SP662-Q9	600*600*12.5	SQ	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SP622-Q9	600*1200*12.5	SQ	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PSR662-Q9	600*600*12.5	SL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PSR622-Q9	600*1200*12.5	SL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SPR662-Q9	600*600*12.5	SL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SPR622-Q9	600*1200*12.5	SL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PSRF662-Q9	600*600*12.5	FL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PSRF622-Q9	600*1200*12.5	FL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SPRF662-Q9	600*600*12.5	FL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SPRF622-Q9	600*1200*12.5	FL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PS662-Q12	600*600*12.5	SQ	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PS622-Q12	600*1200*12.5	SQ	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SP662-Q12	600*600*12.5	SQ	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SP622-Q12	600*1200*12.5	SQ	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PSR662-Q12	600*600*12.5	SL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PSR622-Q12	600*1200*12.5	SL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SPR662-Q12	600*600*12.5	SL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SPR622-Q12	600*1200*12.5	SL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PSRF662-Q12	600*600*12.5	FL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PSRF622-Q12	600*1200*12.5	FL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SPRF662-Q12	600*600*12.5	FL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SPRF622-Q12	600*1200*12.5	FL	6	4.32	32	138.24	36.0	1,152



**METAL CEILING STANDARD PACKAGING**

Item Code	Item Description	No Of PCS/Box	Weight/Box (KGS/BOX)	No Of Box/Pallet
AC-3003006R16	Clip-in panel 300x300MM-0.50MM thick, Alum, Plain, RAL 9016	20	3.25	60
ACPA1-3003006R16	Clip-in panel 300x300MM-0.50MM thick, Alum, diagonal round hole OD 1.8, RAL 9016	20	2.75	60
AC-3003007R16	Clip-in panel 300x300MM-0.60MM thick, Alum, Plain, RAL 9016	20	4.45	60
ACPA1-3003007R16	Clip-in panel 300x300MM-0.60MM thick, Alum, diagonal round hole OD 1.8, RAL 9016	20	3.75	60
AC-6006006R16	Clip-in panel 600x600MM-0.50MM thick, Alum, Plain, RAL 9016	18	13.00	24
ACPA1-6006006R16	Clip-in panel 600x600MM-0.50MM thick, Alum, diagonal round hole OD 1.8, RAL 9016	18	11.50	24
AC-6006008R16	Clip-in panel 600x600MM-0.70MM thick, Alum, Plain, RAL 9016	18	20.00	24
ACPA1-6006008R16	Clip-in panel 600x600MM-0.70MM thick, Alum, diagonal round hole OD 1.8, RAL 9016	18	17.50	24
ALW-3003006R16	Lay-in panel 300x300MM-0.50MM thick, Alum, Plain, RAL 9016, Revealed T24	20	2.75	60
ALPA1W-3003006R16	Lay-in panel 300x300MM-0.50MM thick, Alum, diagonal round hole OD 1.8, RAL 9016,T24	20	2.45	60
ALW-3003007R16	Lay-in panel 300x300MM-0.60MM thick, Alum, Plain, RAL 9016, Revealed T24	20	3.75	60
ALPA1W-3003007R16	Lay-in panel 300x300MM-0.60MM thick, Alum, diagonal round hole OD 1.8, RAL 9016,T24	20	3.35	60
ALW-6006006R16	Lay-in panel 600x600MM-0.50MM thick, Alum, Plain, RAL 9016, Revealed T24	20	1.45	24
ALPA1W-6006006R16	Lay-in panel 600x600MM-0.50MM thick, Alum, diagonal round hole OD 1.8, RAL 9016,T24	20	9.25	24
ALW-6006008R16	Lay-in panel 600x600MM-0.70MM thick, Alum, Plain, RAL 9016, Revealed T24	20	14.45	24
ALPA1W-6006008R16	Lay-in panel 600x600MM-0.70MM thick, Alum, diagonal round hole OD 1.8, RAL 9016, T24	20	12.75	24
ALN-3003006R16	Lay-in panel 300x300MM-0.50MM thick, Alum, Plain, RAL 9016, Revealed T15	20	2.75	60
ALPA1N-3003006R16	Lay-in panel 300x300MM-0.50MM thick, Alum, diagonal round hole OD 1.8, RAL 9016, T15	20	2.45	60
ALN-3003007R16	Lay-in panel 300x300MM-0.60MM thick, Alum, Plain, RAL 9016, Revealed T15	20	3.75	60
ALPA1N-3003007R16	Lay-in panel 300x300MM-0.60MM thick, Alum, diagonal round hole OD 1.8, RAL 9016,T15	20	3.35	60
ALN-6006006R16	Lay-in panel 600x600MM-0.50MM thick, Alum, Plain, RAL 9016, Revealed T15	20	1.45	24
ALPA1N-6006006R16	Lay-in panel 600x600MM-0.50MM thick, Alum, diagonal round hole OD 1.8, RAL 9016, T15	20	9.25	24
ALN-6006008R16	Lay-in panel 600x600MM-0.70MM thick, Alum, Plain, RAL 9016, Revealed T15	20	14.45	24
ALPA1N-6006008R16	Lay-in panel 600x600MM-0.70MM thick, Alum, diagonal round hole OD 1.8, RAL 9016, T15	20	12.75	24
AC-30012009R16	Clip-in panel 300x1,200MM-0.90MM thick, Alum, Plain, RAL 9016	18	20	20.0
ACPA1-30012009R16	Clip-in panel 300x1,200MM-0.90MM thick, Alum, diagonal round hole OD 1.8, RAL 9016	18	17	20.0
AC-30015009R16	Clip-in panel 300x1,500MM-0.90MM thick, Alum, Plain, RAL 9016	18	27	20.0
ACPA1-30015009R16	Clip-in panel 300x1,500MM-0.90MM thick, Alum, diagonal round hole OD 1.8, RAL 9016	18	22	20.0
ALW-60012008R16	Lay-in panel 600x1,200MM-0.80MM thick, Alum, Plain, RAL 9016, Revealed T24	28	42	12.0
ALPA1W-60012008R16	Lay-in panel 600x1,200MM-0.80MM thick, Alum, diagonal round hole OD 1.8, RAL 9016,T24	28	38	12.0
ALW-60012009R16	Lay-in panel 600x1,200MM-0.90MM thick, Alum, Plain, RAL 9016, Revealed T24	28	47	12.0
ALPA1W-60012009R16	Lay-in panel 600x1,200MM-0.90MM thick, Alum, diagonal round hole OD 1.8, RAL 9016,T24	28	42	12.0
ALW-600120010R16	Lay-in panel 600x1,200MM-1.0MM thick, Alum, Plain, RAL 9016, Revealed T24	28	53	12.0
ALPA1W-600120010R16	Lay-in panel 600x1,200MM-1.0MM thick, Alum, diagonal round hole OD 1.8, RAL 9016,T24	28	45	12.0
AC-60012009R16	Clip-in panel 600x1,200MM-0.90MM thick, Alum, Plain, RAL 9016	18	38	12.0
ACPA1-60012009R16	Clip-in panel 600x1,200MM-0.90MM thick, Alum, diagonal round hole OD 1.8, RAL 9016	18	34	12.0
ACPA1-1200120014R16	Clip-in panel 1,200x1,200MM-1.30MM thick, Alum, diagonal round hole OD 1.8, RAL 9016	18	94	4.0
AC-1200120014R16	Clip-in panel 1,200x1,200MM-1.30MM thick, Alum, Plain, RAL 9016	18	104	4.0
SLN-6006005R16	Lay-in panel 600x600MM-0.50MM thick, Steel, Plain, RAL 9016, Revealed T15	20	30	24.0
SLW-6006005R16	Lay-in panel 600x600MM-0.50MM thick, Steel, Plain, RAL 9016, Revealed T24	20	30	24.0
SLPA1N-6006005R16	Lay-in panel 600x600MM-0.50MM thick, Steel, diagonal round hole OD 1.8, RAL 9016,T15	20	24	24.0
SLPA1W-6006005R16	Lay-in panel 600x600MM-0.50MM thick, Steel, diagonal round hole OD 1.8, RAL 9016,T24	20	24	24.0
SCPA1-6006005R16	Clip-in panel 600x600MM-0.50MM thick, Steel, diagonal round hole OD 1.8, RAL 9016	20.0	24	24.0
ST2534-45	Spring T for concealed Suspension system, 0.45 mm thick	500 PCS/Pallet		650KGS/Pallet
ST2534-50	Spring T for concealed Suspension system, 0.50 mm thick	500 PCS/Pallet		740KGS/Pallet
ST2534-60	Spring T for concealed Suspension system, 0.60 mm thick	500 PCS/Pallet		845KGS/Pallet

# SUSPENDED CEILING GRID PACKAGING

Product Name	Item Code	Total LM Per Carton	Total Pcs Per Carton	Total LM Per Pallet	Total Cartoons Per Pallet	Weight Per Pc (Kg)	Cartoon Weight (Kg)	Pallet Weight (Kg)
<b>Main Runner</b>								
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 3.6m	801DX3600H33	90.0	25	3,600	40	0.924	24.4	979
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 3.66m	801DX3660H33	91.5	25	3,660	40	0.938	24.7	993
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 3.6m	801DX3600H38	90.0	25	3,600	40	1.045	27.4	1,101
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 3.66m	801DX3660H38	91.5	25	3,660	40	1.062	27.8	1,118
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty - Fire Rated 3.6m	801DXL3600	90.0	25	3,600	40	1.255	32.7	1,311
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty - Fire Rated 3.66m	801DXL3660	91.5	25	3,660	40	1.276	33.2	1,332
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 3.6m	801DXLT15-3600	72.0	20	2,880	40	1.094	23.0	926
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 3.66m	801DXLT15-3660	73.2	20	2,928	40	1.112	23.4	941
<b>Long Cross Tee</b>								
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 1.2m	803DX1200H25	90.00	75	4,320	48	0.269	20.7	1,006
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 1.22m	803DX1220H25	91.50	75	4,392	48	0.275	21.1	1,028
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 1.2m	803DX1200H38	60.00	50	2,880	48	0.349	17.9	875
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 1.22m	803DX1220H38	61.00	50	2,928	48	0.355	18.2	890
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 1.2m	803DXT15-1200H38	72.00	60	3,456	48	0.294	18.0	880
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 1.22m	803DXT15-1220H38	73.20	60	3,514	48	0.299	18.3	895
<b>Short Cross Tee</b>								
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 0.6m	804DX60025	45.00	75	4,320	96	0.131	10.3	1,006
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 0.61m	804DX610H25	45.75	75	4,392	96	0.135	10.6	1,034
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 0.6m	804DX600H38	30.00	50	2,880	96	0.175	9.2	901
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 0.61m	804DX610H38	30.50	50	2,928	96	0.178	9.4	916
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 0.6m	804DXT15-600H38	36.00	60	3,456	96	0.149	9.3	911
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee0.61m	804DXT15-610H38	36.60	60	3,514	96	0.151	9.5	923
<b>Wall Angle</b>								
Wall Angle Regular 3.6m	802MT3600	144.0	40	5,760	40	0.585	24.2	973
Wall Angle Shadowline 3.6m	802MS3600	180.0	50	4,320	24	0.765	39.5	952
Wall Angle Centricitee 3.6m	802MT15-3600	144.0	40	5,760	40	0.553	22.9	922



# WARRANTY AND MAINTENANCE

## WARRANTY AND MAINTENANCE

### Ceiling Products with 30-Year Limited Warranty

USG Middle East understands the importance of after-sales services that ensure our customers get as much use and value as possible from our systems. Our mission of being a customer-centric company continues! Happier customers are repeat customers!

USG Middle East is closer to its customers than ever before. We have real-time online support, including a WhatsApp bot, social media chat, and a hotline for instant support. Automated Customer Service Lines offer advice and solutions to both simple and complex issues and questions.



# TERMS & CONDITIONS

## DELIVERY OF MATERIALS

All materials shall be delivered in their original unopened packages and stored in an enclosed shelter providing protection from damage and exposure to the elements. Never open cartons and keep boards in standing position. This will increase the possibility of tile warpage.

## STORAGE

**Panels:** Storage time of materials at the job site should be as short as possible. Environmental conditions should be as close as possible to those specified for occupancy (see Environmental Conditions below). Excess humidity during storage can cause expansion of material and possible warp, sag, or poor fit after installation. Chemical changes in the mat and/or coatings can be aggravated by excess humidity and cause discoloration during storage, even in unopened cartons. Cartons should be removed from pallets and stringers to prevent distortion of material. Long-term (6- 12 months) storage under uncontrolled environmental conditions should be avoided.

**Suspension System:** Store in manner that will prevent warping, scratches, or damage of any kind.

- Handling: Handle in such manner to ensure against racking, distortion, or physical damage of any kind.
- Damaged or deteriorated materials should be removed from the premises. Immediately before installation, to stabilize tile and panels, store them at a location where temperature and humidity are consistent with conditions during installation and anticipated for occupancy. In this case, refer to USG Middle East's nearest sales office within three days of receiving the material (provide signed delivery documentation).

## ENVIRONMENTAL CONDITIONS

- Installation of acoustical panels shall not begin until building is enclosed, permanent heating and cooling equipment is in operation, and residual moisture from plaster, concrete, or terrazzo work has dissipated.
- Do not use ceiling panels in extreme or continuous high humidity, or areas exposed directly to weather or water. Ceiling panels are sized and designed for use within the standard occupancy range of temperature and humidity, 15-30 °C, no more than 70% RH (relative humidity). Humidity can greatly affect product dimensional stability and sag resistance. Sag can become noticeable during periods of high humidity lasting only a few hours. ClimaPlus™ ceilings, if used with DONN® Brand Suspension Systems, can withstand temperatures from 30-40 °C and relative humidity up to 95%-100% RH. See USG ME for specific warranty information.
- Allow time for dimensional changes in ceiling panels stored at temperature/humidity conditions well outside of those recommended for service. With increases in temperature/humidity, these products expand up to 4mm/m at 30 °C/90% RH and may not fit into a fixed grid. Conversely, with decreases, these products will be undersize, but expand to normal when standard ambient conditions return.
- For some pattern edge details, if perimeter panels must be cut smaller, the cut edge must be field-rabbited, or the wall angle must be lowered by 6mm-10mm (Reveal Depth).
- Formaldehyde & VOC Classification, as tested per ASTM D5116 and according to standards established by the Collaborative for High-Performance Schools (CHPS), the California Office of Environmental Health Hazard Assessment (OEHHA), and the USGBC LEED for Schools.

Products are classified as zero- or low-emitting for formaldehyde and VOC emissions as defined:

### a. "Zero-Emitting"

Materials producing concentration levels below the test-chamber background level specified by the "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers," including 2004 addendum. Section 3.8.4.3 states, "Background concentrations in the empty chamber ventilated at 1.0 air changes per hour shall not exceed 2 µg m-3 (1.6 ppb) for any individual VOC, including formaldehyde" and all VOCs with chronic inhalation Reference Exposure Levels adopted by California EPA COEHHA for Proposition 65 chemicals.

### b. "Low-Emitting"

1. Materials passing CHPS requirements as established in the «Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers,» including 2004 addendum. In addition, these products produce formaldehyde concentration levels below 9 µg m-3 & contribute no more than one-half of the chronic inhalation Reference Exposure Level adopted by California EPA COEHHA for all other VOCs identified by Proposition 65.
2. Must be tested by independent lab per these standards along with product submittals.
3. Documentation of laboratory test must indicate product and item number if test results differ from other facility manufacturing location for supplied products.

## QUALITY ASSURANCE

- Single Source Responsibility: To obtain combined warranty for the DONN® Brand suspension system and the acoustical panel, color match or ceiling panel and suspension system compatibility, all acoustical panel and suspension system components shall be produced and supplied by one manufacturer. Materials supplied by more than one manufacturer are not acceptable.
- Subcontractor qualifications: Installer shall have adequate experience in the installation of suspended ceiling systems on projects similar to those specified. They must also be qualified and approved by USG Middle East's technical department.
- Requirements of regulatory agencies: Codes and regulations of authorities having jurisdiction.

### Source quality control:

- Test reports: Manufacturer will provide test certification for minimum requirements in accordance with applicable industry standards and/or to meet performance standards specified by various agencies.
- Changes from system: System performance following any substitution of materials or change in assembly design must be certified by the manufacturer.

## PROJECT CONDITIONS

- **Existing conditions:** (include specific alteration work requirements for project).
- **Environmental requirements for interior installation:** Building shall be enclosed with windows and exterior doors in place and glazed. Roof must be watertight before installation of ceiling system and related ceiling components. Climatic Condition Range for panels used on this project are as follows:
  1. ClimaPlus™ Ceilings: 15-30 °C with a max 99% RH. ClimaPlus™ ceilings used with DONN® Brand Suspension Systems can be used when building is not enclosed and in higher temperature and humid areas.
- **Coordination with other work:**
  1. General: Coordinate with other work supported by or penetrating through the ceiling, including mechanical and electrical work and partition systems.
  2. Mechanical work: Ductwork above ceiling shall be completed and permanent heating and cooling systems operating to climate conditions prior to installation of ceiling components.
  3. Electrical work: Installation of conduit above ceiling shall be complete before installation of ceiling components.
  4. Fire protection work: Fire protection lines and/or equipment occurring above ceiling shall be completed and tested before ceiling components are installed.
- **Protection:**
  1. Personnel: Follow good safety and industrial hygiene practices during handling and installing all products and systems. Take necessary precaution and wear appropriate personal protective equipment as needed. Read material safety data sheets and related literature for important information on products before installation. Contractor to be solely responsible for all personal safety issues during and subsequent to installation; architect, specifier, owner, and manufacturer will rely on contractor's performance in such regard.
  2. Protect completed work above ceiling system from damage during installation of ceiling components.

## INSPECTION

- Examine areas to receive ceiling panels for conditions that will adversely affect installation. Provide written report of discrepancies.
- Do not start work until unsatisfactory conditions are corrected.
- Work to be concealed: Verify work above ceiling is completed and installed in manner that will not affect layout and installation of ceiling panels.
- Beginning of installation shall signify acceptance of conditions in areas to receive ceiling panels.

## PREPARATION

- Field dimensions must be verified prior to installation.

## INSTALLATION

- **Standard reference:** Install ceiling panels and suspension system, including necessary hangers, grillage, splines, and other supporting hardware, in accordance with ASTM C636, 2006 IBC (2007 CBC), CISCA Ceiling Systems Handbook, (UL Design) and any applicable code requirement.
- **Manufacturer's reference:** Install ceiling panels in exposed grid systems, supported on all edges, in accordance with manufacturer's warranty.
- **Drawing reference:** Install ceiling panels in accordance with approved shop drawings.
- **Hanger Wires:**
  1. Spacing: Space hanger wires on main tees not more than 1200mm o.c. a maximum of 1200mm o.c., attaching hangers directly to the structure above, or as required to support loads.
  2. Limitations: Do not support wires from mechanical and/or electrical equipment, piping or other equipment occurring above ceiling.

- **Ceiling Perimeter:** Install edge moldings (50mm minimum) and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal acoustical panel edges.
  1. Tee ends shall be tied together with USG ME specified accessories or other approved means to prevent the tees from spreading apart.
  2. Mechanically attach the terminal ends of the ceiling suspension members to the perimeter molding of two adjoining walls using pop-rivets or other approved means.
  3. Maintain a 20mm clearance between the opposite ends of the suspension members and the wall. The unattached ends of the suspension members shall rest upon and be free to slide perpendicularly to the perimeter molding.
- **Alternate Perimeter Attachment:** When required by local code, install 22mm edge molding with ACM7 Seismic Clip.
- **Accessories:** Install accessories as applicable to meet project requirements.
  1. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal acoustical tile edges.
  2. Install suspension system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.
- **Install acoustical tiles in coordination with suspension system.**
  1. Fit adjoining tile to form flush, tight joints. Scribe and cut tile for accurate fit at borders and around penetrations through tile.
  2. Remove and replace any damaged tiles.
- **Lighting Fixtures:**
  1. All light fixtures shall be mechanically attached to the suspension system per NEC 410-16 (two per fixture unless the fixture is independently supported).
  2. Support of rigid lay-in or can light fixtures:
    - a. Each fixture less than 4.5 Kg shall have a single wire (wire may be slack) attached from the fixture to structure.
    - b. Each fixture that weighs between 4.5 and 25 Kg shall have two wires (wires may be slack) attached at diagonal corners of the fixture to structure.
    - c. Each fixture greater than 25 Kg shall be directly supported to structure by approved hangers.
    - d. Pendant light fixtures shall be directly supported from structure with 9-gauge wire (or approved alternative).
- **Air Terminals:**
  1. Air terminals less than 9 Kg shall be positively attached to the suspension system
  2. Air terminals that weigh between 9 Kg and 25 Kg shall be mechanically attached to the suspension system. Two slack wires shall be attached from the housing to structure.
  3. Air terminals in excess of 25kg. shall be directly supported to structure by approved hangers.
- **Sprinkler heads** and other penetrations shall have 10mm clearance on all sides.

# CEILING PRODUCTS 30-YEAR LIMITED WARRANTY

**WHAT IS COVERED?**

USG Middle East warrants that the following ceiling products will be free from defects in materials and workmanship at the time of manufacture:

- USG Middle East Donn® Brand and Quadra suspension systems**
- USG Middle East ceiling panels**
- USG Middle East Celebretto Specialty Ceiling range**

In addition, USG ME provides the following performance warranties for these products:

- USG ME Donn® Suspension Systems are applied with a four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an independent laboratory.
- USG ME ceiling panels and tiles with ClimaPlus™ performance shall not show visible sag when installed in a USG ME Donn® Suspension System (“Sag Warranty”).
- USG ME ceiling panels with ClimaPlus™ performance shall be free from the growth of mold and mildew (“Mold and Mildew Warranty”).
- USG Radar™ Ceramic ceiling panels with ClimaPlus™ performance will withstand corrosive chemical fumes (“USG Radar™ Corrosive Chemical Warranty”).

**HOW LONG DOES COVERAGE LAST?**

The warranty periods vary depending upon whether the USG ME Donn® Suspension System is used with USG ME ceiling panels, or the products are used separately. Below are the periods of coverage, which run from the date of original purchase:

Defects in Materials and Workmanship at Time of Manufacture	Panel or Tile	Suspension System
USG ME Donn® Brand Suspension System and USG ME Soft Fiber or Mineral Fiber panels with ClimaPlus™ performance, <i>when used together</i>	30 years	30 years
USG ME Donn® Brand Suspension System and USG ME Gypsum Ceiling panels or Skynest Wood Wool panels, <i>when used together</i>	1 year	30 years
USG ME Donn® Brand Suspension System and Quadra Safe Ceiling Carrier <i>alone</i>	–	10 years
USG ME panels with <i>ClimaPlus™</i> performance <i>alone</i>	10 years	–
USG ME Celebretto Specialty Ceilings and USG ME Acoustical Drywall Ceiling <i>alone</i>	5 years	–
Rust Warranty for USG ME Donn® Brand Suspension System	–	30 years
Sag Warranty for panels with ClimaPlus™ performance when used in a USG ME Donn® Brand Suspension System	30 years	–
Mold and Mildew Warranty for USG ME ceiling panels with ClimaPlus™ performance	30 years	–
USG Radar™ Corrosive Chemical Warranty	30 years	–

**WHO IS COVERED?**

This limited warranty covers the original owner of the building at the time of installation and any subsequent owner of the building during the applicable warranty period.

**WHAT WILL USG ME DO?**

USG ME’s liability under this limited warranty shall be, at USG ME’s election, to replace the nonconforming products under warranty. Replacement of nonconforming products under warranty shall constitute the sole and total obligation of USG ME. USG ME shall not be responsible for any labor charges or other installation or replacement costs or for incidental or consequential damages of any nature whatsoever.

**WHAT ARE THE CONDITIONS OF THIS WARRANTY?**

- All products must be installed and maintained in accordance with current USG ME written instructions in effect at the time of installation and with best industry practice, including the CISCA Handbook and ASTM C636, Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels. **Refer to quality assurance mentioned previously under USG Middle East Terms and conditions.**
- The products must always be protected from vibration, direct contact with water (including condensation), exposure to chemical fumes, excessive humidity, and excessive dust or dirt buildup, both before and after installation. Please note that USG ME Radar Ceramic ceiling panels with ClimaPlus™ performance can withstand exposure to chemical fumes.
- The products may not be used in exterior applications unless and to the extent explicitly permitted in USG ME’s written literature at the time of installation.
- The products may not be exposed to temperature or humidity conditions prior to, during, and after installation that are outside the following limitations:

**CEILING PRODUCTS 30-YEAR LIMITED WARRANTY**

Product	Environmental Limitations
USG ME Radar™ Ceramic	16-40°C up to 100% RH*
ClimaPlus™ Performance Ceilings	16-40°C up to 95% RH
Standard Commercial Ceilings and Celebretto Specialty Ceilings	16-29°C up to 70% RH
USG Donn® Brand suspension system	16-40°C up to 95% RH
USG Donn® Brand AX™, ZXLA™ and the USG Drywall Suspension System	16-40°C up to 100% RH

\*Please note that the Radar™ Ceramic Acoustical Ceiling Panels with ClimaPlus™ performance can withstand the referenced humidity conditions and exposure to steam so long as the product is installed with either AX™ or AXCE™ suspension systems. For swimming pools, install only with AX™ or AXCE™ suspension systems. For outdoor soffits, canopies and parking garages, install with AXCE™ suspension system (wind uplift should be considered).

- Ceiling panels must not be used to support any material, including insulation. Where insulation must be used, it should be no heavier than the following:
  - 12.7 kg/m<sup>2</sup> for USG Sheetrock® and USG ME Skyrock Gypsum Panels Lay-In Gypsum Ceiling Panels
  - 1.3 kg/m<sup>2</sup> for all other USG ME panels
- Application of insulation should follow USG ME recommendations. Insulation must be applied perpendicular to the suspension cross tees with the suspension system supporting the weight of the insulation. Insulation is also not recommended for use in Firecode® applications unless specified and permitted by Underwriters Laboratories, Inc. Mold or mildew growth on insulation is not covered by this warranty.
- For all ceiling tiles with ClimaPlus™ performance (excluding USG Clean Room™ which is not covered by the Mold and Mildew Warranty), the ceilings must be maintained to avoid excessive dirt or dust buildup that would provide a medium for microbial growth on these panels or tiles. Microbial protection does not extend beyond the treated surface as received from the factory, and does not protect other materials that contact the treated surface such as insulation materials.
- You must make a warranty claim within the time limits and manner described in the here after “How Do I Make A Warranty Claim?”

- Damage or loss due to the failure to follow the terms and conditions of this limited warranty.
- USG Sheetrock® and USG ME Skyrock Gypsum Panels used with the USG ME Drywall Suspension System are not covered.
- Except for the Mold and Mildew Warranty on USG ME ceiling tiles and panels with ClimaPlus™ performance, the growth of mold or bacteria is not covered by this warranty and is not the responsibility of USG ME. USG ME Clean Room and USG Sheetrock® and USG ME Skyrock Gypsum lay-in panels are not covered under the Mold and Mildew Warranty.
- Damage or loss caused by fire, water, accident, or by any form of abuse except normal wear and tear.
- Damage or loss from vibrations or chemical fumes or where moisture comes in contact with the ceiling panel or tile as a result of a leaking roof, a sweating pipe, a leaking radiator, a flood, condensation on windows, other sources of condensation where dew points are reached, humidified air from the HVAC system, or any other similar causes.
- Rusting that occurs from building leaks or condensation.

**Other important information about the Sag Warranty for panels and tile with ClimaPlus™ performance when used in a USG ME Donn® Suspension System:** Sag resistance is measured under Standard Test Method for Strength Properties of Pre-fabricated Architectural Acoustical Tile or Lay-In Ceiling Panels (ASTM C367-05). The Test Method cautions (Section 17.3) that it “is not designed to establish the expected performance of the ceiling panels under field conditions of use, but only the sag properties for the specific temperature, humidity, exposure time and mounting conditions used in the test.”

Neither this Test Method nor any other laboratory test we are aware of can predict long-term sag resistance. We do know that the higher the relative humidity and temperature, and the longer the time these conditions prevail, the more susceptible the ceiling panels are to sag. Nevertheless, USG ME has offered sag resistant ceiling panels for more than 10 years. This excellent field performance is expected because the formulations of both core and/or backing, depending on the particular panel, inherently impart sag resistance. Avoidance of extreme temperature and humidity conditions and regular cleaning will enhance sag resistance and all other performance attributes of the ceiling panels.

**WHAT IS NOT COVERED?**

**CEILING PRODUCTS 30-YEAR LIMITED WARRANTY**

**HOW DO I MAKE A WARRANTY CLAIM?**

To make a claim under this limited warranty, you must give USG ME written notice of your warranty claim no later than 3 days from the date the claimed problem or defect was discovered or by reasonable inspection should have been discovered. In addition, no claim may be brought more than 3 days after the end of the applicable warranty period regardless of the date of discovery of the alleged problem or defect. Your written warranty claim should include a brief description of the problem, photographs if available, and any sales receipts, invoices, or other information indicating the date of purchase and installation. Please send this information to Factory Of USG Middle East LTD. Co. 7410 (Wasil), Street #23, Cross 76, 2nd Industrial City, Dammam 3426-4201, Kingdom of Saudi Arabia / marketing@usgme.com, info@usgme.com

Except to the extent expressly inconsistent with the terms of this limited warranty, USG ME's terms and conditions of sale to the direct buyer of the products, including without limitation, any arbitration provision, shall apply to all claims made by the direct buyer under this limited warranty.

**WARRANTY INFORMATION**

This warranty applies to products manufactured by Factory of USG Middle East that are used in the Kingdom of Saudi Arabia.

**WARRANTY INFORMATION FOR PRODUCTS USED OUTSIDE OF THE KINGDOM OF SAUDI ARABIA**

To the extent permitted by applicable law, any controversy, claim, or dispute arising out of or in connection with any USG ME product warranty shall be settled with finality under the Rules of Arbitration of the International Chamber of Commerce. The seat of the arbitration and the location of the arbitration shall be Saudi Arabia. All arbitrations shall be conducted in Arabic.

The USG ME product warranty does not apply to USG ME products that are sold to, delivered to, or used by countries, governments, or persons in violation of KSA Trade law.

**PROJECTS DETAILS**

**Project Details:**

Project Name: .....

Address: .....

Country: .....

Products:  
Ceiling Panels ..... Grids .....

Date of Installation: .....

**Ceiling System Contractor Details:**

Name: .....

Address: .....

Date: ..... Signature ..... Title .....

**Factory of USG Middle East**

Name: .....

Date: ..... Signature ..... Title .....

# CEILING PANEL MAINTENANCE GUIDE

Choosing the best ceiling for your project can make all the difference. When maintenance is necessary, certain procedures should be followed to protect the appearance and high performance of acoustical panels.

## CELEBRETTO METAL CEILING SOLUTIONS

PRODUCTS	CLEANING AND MAINTENANCE
Hook-On Corridor System - Hook On Island Hook On Intersecto Linear Track Torsion Spring Strip Ceiling Paraline Metal Baffles Crossing Baffles Quadra Cell Metal Canopies Expanded Metal Mesh ceilings Snap-In (Hinge Down) Geometrix Lay-In Metal Ceiling Clip-In Metal Ceiling	Panel can be cleaned easily with microfiber feather dust brush or vacuum to remove the visible dust. Use clean cloth and mild detergent and little water. Remove any obvious dirt before applying liquid cleaner. After cleaning each tile with the solution, the tile should be quickly dried with a dry and clean cloth before moving to the next tile. Do not clean with a damp sponge, and do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals.

## ACOUSTICAL DRYWALL CEILING

PRODUCTS	CLEANING AND MAINTENANCE
Ensemble™ Monosilent Skyrock Ecoblock - R6 Skyrock Ecoblock - R12 Skyrock Ecoblock - R8-15-20 Skyrock Ecoblock - Q9 Skyrock Ecoblock - Q12	General cleaning of dust and loose dirt may be easily achieved using a soft brush or vacuum cleaner. Panels can be cleaned with an art gum eraser or dampened cloth or sponge containing as little water as possible. Panels should never be soaked or immersed in water. Cleaning can also be carried out by specialist contractors using proprietary methods and chemicals. It is strongly recommended that a trial area be cleaned to ensure that there is no detrimental effect on the ceiling panel.

## SOFT FIBER PANEL LAMINATED WITH FACTORY APPLIED PAINTED FIBERGLASS SCRIM

PRODUCTS	CLEANING AND MAINTENANCE
Halcyon™ Canopies Tranquille Halcyon™ Louna™ Elite Louna™ Natural Louna™ Hi CAC	Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water or a mild detergent and wipe panel surface. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals.

## SOFT FIBER PANEL LAMINATED WITH PREPAINTED FIBERGLASS SCRIM

PRODUCTS	CLEANING AND MAINTENANCE
Halcyon™ Black Louna™ Baffle Louna™ Elegant Louna™ Hi CAC Black	Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use HEPA vacuum filter to minimize air borne dust during the cleaning process. Care must be taken while vacuuming to avoid excessive pressure. Use a blotting action to minimize potential damage of surface texture on ceiling and wall panels.

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### WOOD WOOL PANEL FINISHED WITH FACTORY APPLIED FINISH PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Skyneest Wood Wool Baffles	Panel can be cleaned easily with a soft brush or vacuum. Do not use liquid cleaning solution as it may harm the wood wool fiber. Care must be taken while vacuuming to avoid excessive pressure. Use a blotting action to minimize potential damage of surface texture on ceiling panels. Use HEPA vacuum filter to minimize airborne dust during the cleaning process.
Skyneest Wood Wool Canopies	
Skyneest Wood Wool Exposed Grid	
Skyneest Wood Wool Ceiling Direct Mounting	

### MINERAL FIBER PANEL FINISHED WITH FACTORY-APPLIED WATER-BASED PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Athena Cross Fissured Auratone Designer Series Favia Favia Acoustic Olympia™ Olympia Micro™ Omni Radar™ Skylite Acoustic Taiga Taiga Perforated	Clean with a soft brush or vacuum gently. Any dusting concerns for Mineral Fiber panels caused by punched perforations can be resolved by using a microfiber feather dust brush. Be certain to clean the mineral fiber panels in one direction only. This will prevent rubbing dust into the surface of the ceiling panel. May be cleaned with a moist cloth or a sponge dampened in water containing mild soap. The cloth or sponge should contain as little soapy water solution as possible. After washing panel face, any moisture remaining should be wiped off with a dry cloth.

### MINERAL FIBER PANEL LAMINATED WITH FIBERGLASS MEMBRANE AND FINISHED WITH FACTORY-APPLIED LATEX PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Sonata	Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water or a mild detergent and wipe panel surface.

### MINERAL FIBER PANEL LAMINATED WITH EMBOSSED VINYL-FACED MEMBRANE

PRODUCTS	CLEANING AND MAINTENANCE
Sparta	Clean with a damp sponge, mild detergent and water. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals. May be cleaned with a moist cloth or a sponge dampened in water containing mild soap. The cloth or sponge should contain as little soapy water solution as possible. After washing panel face, any moisture remaining should be wiped off with a dry cloth.

### CERAMIC BONDED MINERAL FIBER PANEL FINISHED WITH FACTORY-APPLIED WATER-BASED PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Radar™ Ceramic	Radar™ Ceramic panels are less affected by moisture and will withstand repeated washings with mild detergents or germicidal cleaners. Clean with a soft brush or vacuum gently. Any dusting concerns for Ceramic Bonded Mineral Fiber panels caused by punched perforations can be resolved by using a microfiber feather dust brush.

## USG MIDDLE EAST CEILING PANEL MAINTENANCE GUIDE

### CAST MINERAL FIBER WITH FACTORY APPLIED FINISH PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Glacier™	Clean with a soft brush or vacuum gently. Any dusting concerns for Cast Mineral Fiber panels caused by punched perforations can be resolved by using a microfiber feather dust brush.
Sandrift™	Care must be taken while vacuuming to avoid excessive pressure. Use a blotting action to minimize potential damage of surface texture on ceiling panels.

### GYPSUM CEILING PANEL FINISHED WITH FACTORY-APPLIED WATER-BASED PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Painted Soundblock - R6 Soundblock - R8-15-20 Soundblock - Q3 Soundblock - Q9 Soundblock - Q12	Clean with a damp sponge, mild detergent and water. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals.

### GYPSUM CEILING PANEL LAMINATED WITH EMBOSSED VINYL-FACED MEMBRANE

PRODUCTS	CLEANING AND MAINTENANCE
Shades Soundblock -R6 Soundblock - R8-15-20 Soundblock - Q3 Soundblock - Q9 Soundblock - Q12	Clean with a damp sponge, mild detergent and water. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals. May be cleaned with a moist cloth or a sponge dampened in water containing mild soap. The cloth or sponge should contain as little soapy water solution as possible. After washing panel face, any moisture remaining should be wiped off with a dry cloth.

### HEALTHCARE CEILINGS

PRODUCTS	CLEANING AND MAINTENANCE
Clean Room™ Skylite Clean Taiga Hygiene Halcyon™ Healthcare Sonata Healthcare Louna™ Hygiene	Remove any obvious dirt before applying liquid cleaner. Panel can be disinfected by lightly spraying the surface and wiping with a clean white cloth. Acceptable colorless disinfectants include Hydrogen peroxide, Isopropyl alcohol, quaternary ammonium or sodium hypochlorite. Do not mix cleaning solutions and follow the cleaner manufacturer's instructions. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals. Always follow the EPA's and CDC's latest Release Guidance for Cleaning and Disinfecting ceilings panels for healthcare applications.

### SUSPENDED CEILING SYSTEM

PRODUCTS	CLEANING AND MAINTENANCE
DONN® Brand Acoustical Suspension System Quadra Safe Ceiling Carrier	Remove panel material and perform any necessary cleaning maintenance with non-solvent based commercial cleaner. Immediately remove any corrosive substances or chemicals that would harm painted finishes (i.e. wallpaper adhesives). Clean with a damp sponge, mild detergent and water. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals.

### PAINTING AND RETOUCHING

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### PANELS:

Ceiling panels may be touched-up by spraying a thinned, non-bridging vinyl-acrylic flat wall paint. However, USG ME cannot be responsible for the finished appearance or performance for the field-painted ceiling's panels. USG ME cannot guarantee that the published surface burning characteristics, fire resistance ratings, acoustical performance, dimensional stability, sag, or light reflectance performance will remain the same after repainting.

All warranties will be voided by field painting. When painting acoustical materials, the painter should be very careful not to close up the perforations or fissures in the material. It is through these openings in the surface that sound waves enter the body of the acoustical material and are absorbed. Care should be taken that these perforations are not clogged. Spray painting will result in a more uniform coating on embossed or irregular surfaces.

Field painting of vinyl-faced products is not recommended.

Please consult the USG ME Technical Department for expert advice and recommendations.

### GRIDS AND SUSPENSIONS:

Touch up all minor scratches and spots, as acceptable, or replace damaged sections when touch-up is not permitted. Repainting of suspension member shall be with a high-quality solvent base enamel paint and applied as recommended by paint manufacturer.

### DISCLAIMER

- Cleaning conditions and aesthetics may be impacted by additional site conditions. These instructions pertain only to the maintenance of the aesthetics and integrity of USG Middle East ceiling systems. Please consult the manufacturer's instructions and guidance regarding any cleaning product or disinfectant product for use and efficacy.
- It is recommended that only clear cleaners be used, as dyed liquids can permanently discolor the finish of the ceiling tiles.
- Cleaning is only recommended for the finished face of the board.
- The panels should never be soaked in water or other liquids, as this can have an adverse effect on board integrity.
- Use the safety recommendations for gloves and eye protection that are given by the manufacturer of the cleaner and cleaning equipment.





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