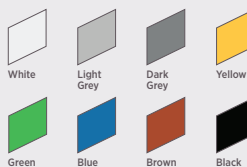




VISIT [USGME.COM](https://usgme.com) TO ORDER SAMPLES

FINISH OPTIONS



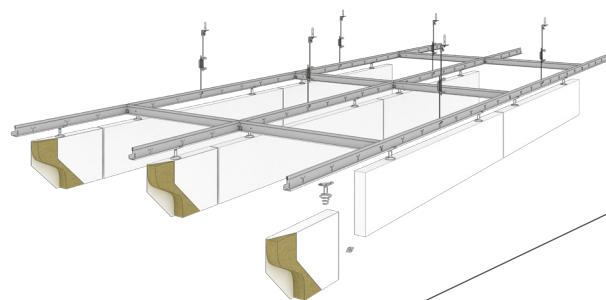
FEATURES & BENEFITS

- 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 DRAWING



Sound Absorption

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



LOUNA™ BAFFLE



EN 13964 - 2014 + A1 - 2007



PRODUCT
CERTIFIED
FOR
ENVIRONMENTAL
PRODUCT
DECLARATION



HIGH SOUND
ABSORPTION



CEILING
ATTENUATION
CLASS

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.




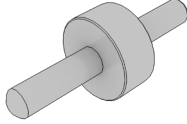
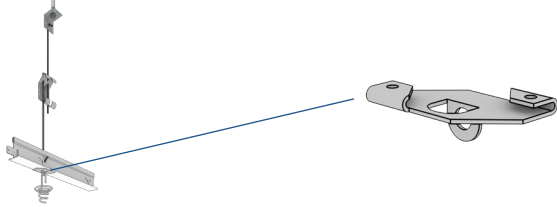
Materials Classification Stainless Steel 1.5mm wire diameter with breaking force of 2.10 KN

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 pre-painted 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/m³

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

EN 13501-1 Class of Reaction to Fire

Performance

A1

Thermal Conductivity

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

Washability / Scrubbability as per ASTM

D4828 & D2486

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

Relevant LEED® Credit

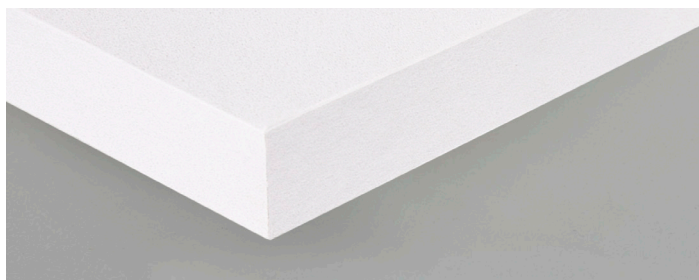
EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IE Credit 9

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 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



EN 13964 : 2014 + A1 : 2007



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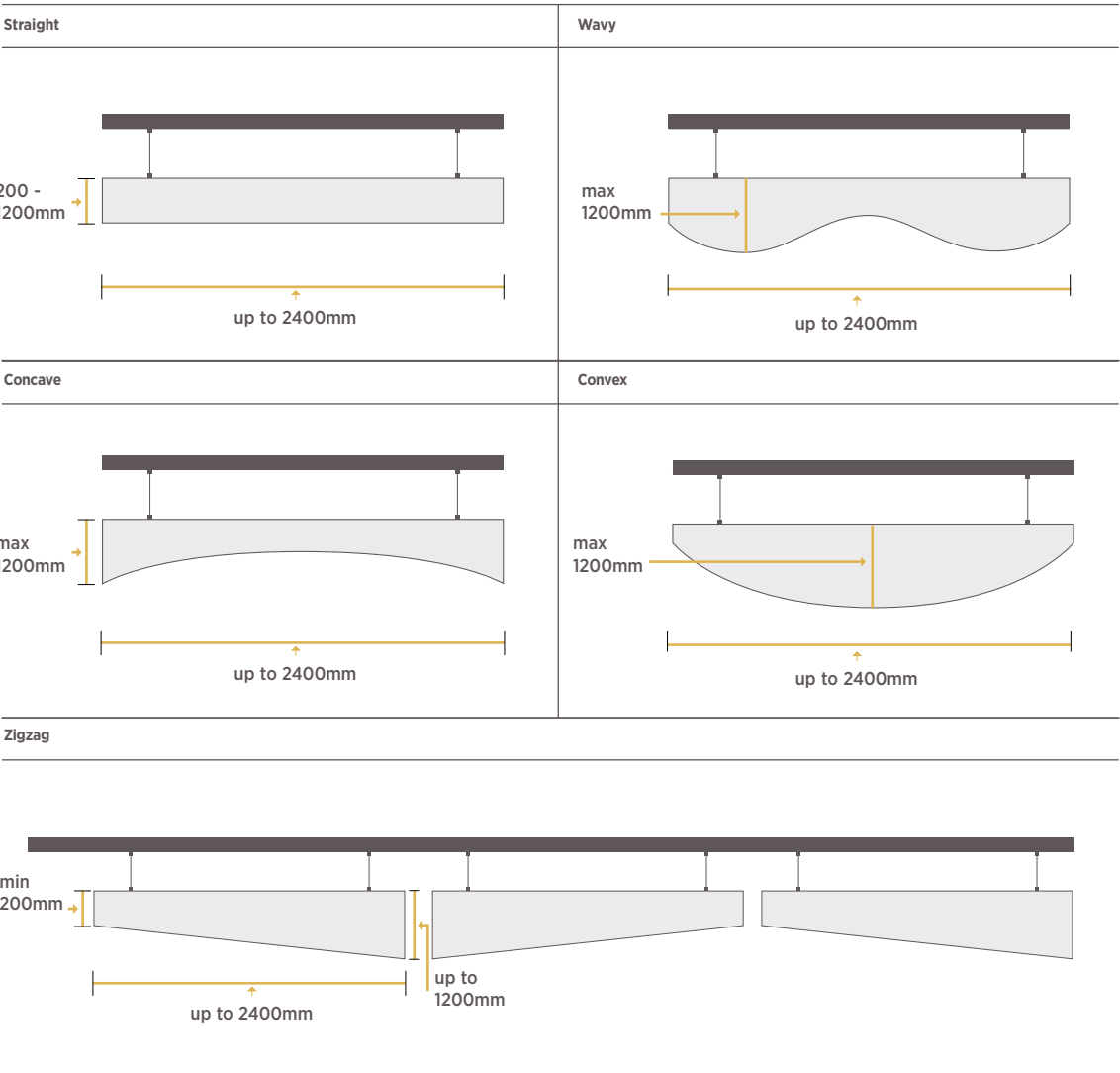


HIGH SOUND
ABSORPTION



CEILING
ATTENUATION
CLASS

SYSTEMS
CONFIGURATIONS*



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

Disclaimer:
Information contained in this document is subject to change without prior notice due to our ongoing product development. We recommend referring to the website usgme.com for the most up-to-date and accurate product information.

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