MINERAL FIBER
CLEAN ROOM™

EN 13964 : 2014 + A1 : 2007

CE	GREENGUARD	Sound Absorption	PRIVACY	HRC	FIRE	HEALTH
	PRODUCT CERTIFIED FOR LOW VOC EMISSIONS	HIGH SOUND ABSORPTION	CEILING ATTENUATION CLASS	HIGH RECYCLED CONTENT	FIRECODE	HEALTHCARE APPLICATION

CLEAN ROOM™

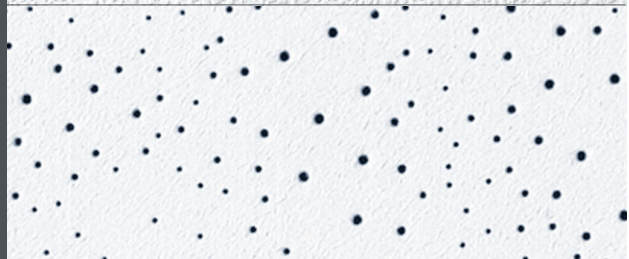**NON-PERFORATED**

PERFORATED

FEATURES AND BENEFITS

- Clean Room™ Non-Perforated pattern cross-reference to Class 5 per ISO 14644-1
- It has an embossed, vinyl-laminated face with a sealed back and edges for Class 100, washable, scrubbable resistance face. Clean Room™ Perforated pattern is also used in 10M-100M clean rooms as per Federal standard 209E for the Classification of Airborne particles.
- It is also anti-mold and resists mildew growth, and it is available in multi-perforation pin patterns for acoustic areas with high humidity.
- It is made with Firechief™ base materials to meet life safety codes.
- Classified High Recycled Content panels greater than 50%.
- It is recommended that the CE grid (gasketed tee flanges) be used for hospitals, laboratories, and 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."

ABSORPTION COEFFICIENT

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

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Food preparation
- Food storage
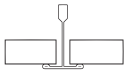- Hydro-therapy rooms

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	CLX665 CLX225	600*600*15 610*610*15	0.10	37	80%		🔥	52%	Low	$$$$
	CLX625 CLX245	600*1200*15 610*1220*15	0.10	37	80%		🔥	52%	Low	$$$$
	CLX669 CLX229	600*600*19 610*610*19	0.10	38	80%		🔥	52%	Low	$$$$
	CLX629 CLX249	600*1200*19 610*1220*19	0.10	38	80%		🔥	52%	Low	$$$$
	CLXP669 CLXP229	600*600*19 610*610*19	0.55	38	79%		🔥	52%	Low	$$$$
	CLXP629 CLXP249	600*1200*19 610*1220*19	0.55	38	79%		🔥	52%	Low	$$$$

Low Emissions (VOC)
Third party (GREENGUARD) certified for low-emitting performance, meets UL 2818 - 2022 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. 'Certificates of Compliance' for Low VOC Emissions are available on usgme.com and at spot.ul.com.
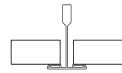
High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of post-consumer and pre-consumer (postindustrial) recycled content per FTC guidelines.
For Firechief™ products.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	CE SQ Edge

SPECIFICATIONS DETAILS

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

Materials Classification
Type A, Form A4.2, 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/m², Firechief™]
19mm [6.65 kg/m², Firechief™]

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
Rate 10: Resistant to mold growth

Humidity Resistance
Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]
[0.79] [0.80]

Color
Standard White

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 BS 476
1hr Time-rated assembly

Thermal Conductivity
λ = 0.057 W/m°K

VOC Class
Greenguard

Formaldehyde Classification
Class E1 as per EN717-1

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

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