

CLEAN ROOM™



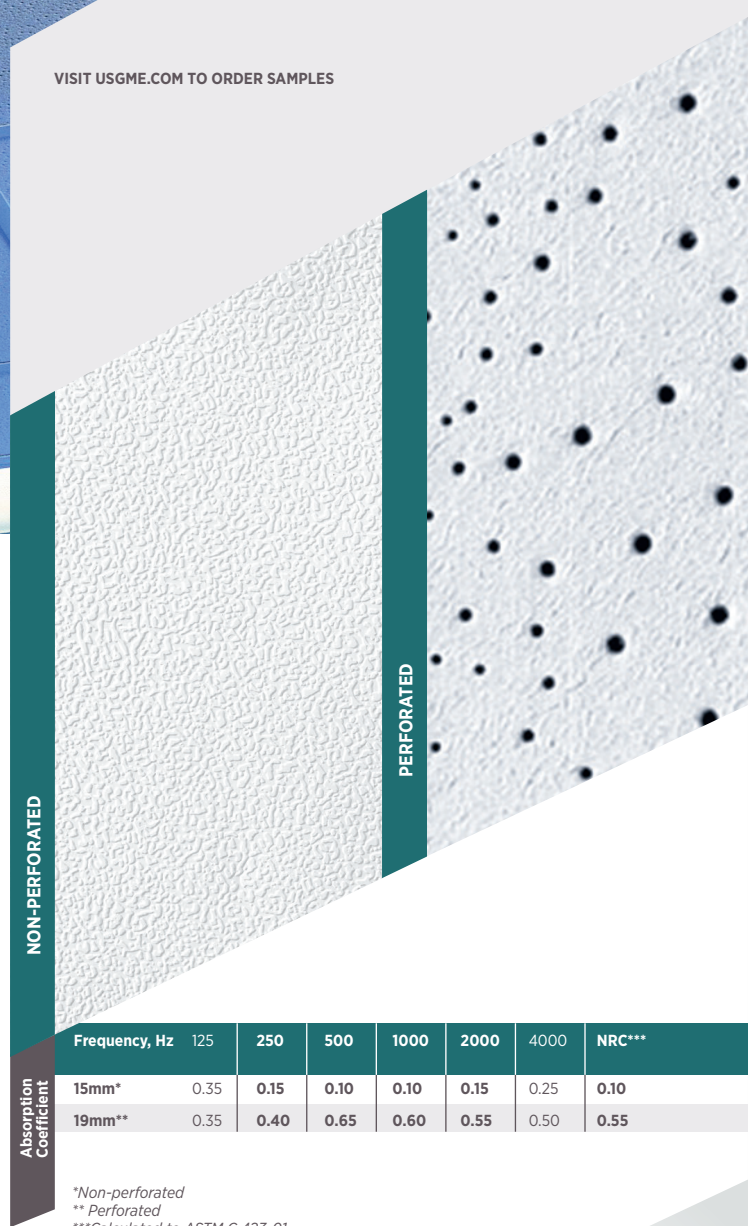
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FEATURES & BENEFITS

- 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



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

Absorption Coefficient

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

CLEAN ROOM™



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT



HEALTHCARE APPLICATION

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	600*600*15	0.10	37	80%			52%	Low	\$\$\$\$
	CLX225	610*610*15								
	CLX625	600*1200*15	0.10	37	80%			52%	Low	\$\$\$\$
	CLX245	610*1220*15								
	CLX669	600*600*19	0.10	38	80%			52%	Low	\$\$\$\$
	CLX229	610*610*19								
	CLX629	600*1200*19	0.10	38	80%			52%	Low	\$\$\$\$
	CLX249	610*1220*19								
	CLXP669	600*600*19	0.55	38	79%			52%	Low	\$\$\$\$
	CLXP229	610*610*19								
	CLXP629	600*1200*19	0.55	38	79%			52%	Low	\$\$\$\$
	CLXP249	610*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 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/m², Firecode®]
19mm [6.65 kg/m², 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/m²K

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

Notice:

As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to usgme.com for the updated products information document.

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Clean Room™ Acoustical Ceiling

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