

LOUNA™ HI CAC BLACK



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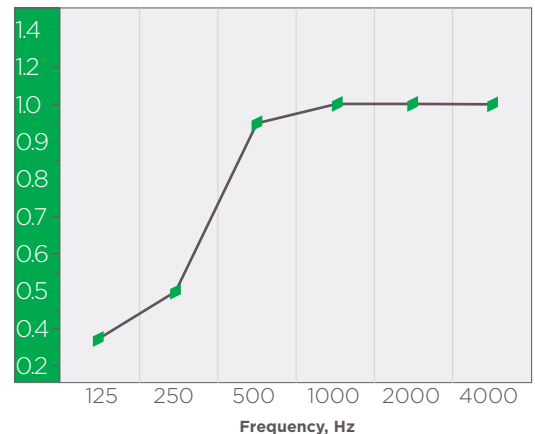
FEATURES & BENEFITS

- Specifically engineered when high acoustic performance is required and satisfying high frequency performance criteria for cinema application.
- Mineral wool substrate and Wet Felted Mineral Fiber Substrate finished with Painted Fiber Glass scrim and sealed edge
- Exceptional Sound Absorption with NRC values up to 0.9 and CAC up to 42dB
- Impact & Scratch Resistant finish scrim

APPLICATIONS

- Cinemas and operating theatres
- Convention halls and concourses
- Restaurants
- Bowling Alleys

Sound Absorption 43 mm



USG LOUNA™ HI CAC BLACK ACOUSTICAL CEILING



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	LR			Recycled Content	VOC Emission	Cost
SQE 	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	0.9	41	-			40%	N/A	\$\$\$\$\$
	LCXX2253B-MF	610*610*53								
	LCXX6253B-MF	600*1200*53	0.9	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 requirements in accordance with ASTM E1264.

Materials Classification

Type: XX,
Form: 2,
Pattern: G

Substrate and Surface Finish

Mineral Wool substrate and Mineral Fiber substrate finished with painted fiberglass scrim

Thickness

40mm, 43mm, 53mm

Size

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

Edge Detail Trim

Square Encapsulated [SQE]

Weight

40mm [5.65 kg/m²],
43mm [8.85 kg/m²],
53mm [12 kg/m²]

Noise Reduction Coefficient [NRC]

[0.85] [0.90]

Ceiling Attenuation Class [CAC]

[41 dB] [42 dB]

Mold Prevention Application as per ASTM D3273

Mineral Wool substrate is inherently resistant to the growth of mold and mildew

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, Flame Spread: 10,
Smoke development: 10

Thermal Resistance

43mm [0.977m² °K/W - R 5.5],
50mm [1.176m² °K/W - R 6.6]

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

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