

SOFT FIBER LOUNA™ HI CAC BLACK





FEATURES AND 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 wetfelted mineral fiber substrate on the rear side and finished with painted fiberglass scrim and sealed edge.
- Excellent 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

LOUNATM HI CAC BLACK

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

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

GRID PROFILE OPTIONS

DX/DXL	DXT
SQ Edge	SQ Edge

A1



Louna[™] Hi CAC Black Acoustical Ceiling meets the specifications in accordance with ASTM E1264. **Materials Classification** Type A, Form A2.3, 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/m²], 53mm [9.30 kg/m²] **Noise Reduction Coefficient** [NRC] [0.85] [0.90]

[41 - 42 dB] Mold Prevention Application as per ASTM D3273 Rate 10: Resistant to mold growth 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 EN 13501-1 Class of Reaction to Fire Performance

Thermal Conductivity:

Soft fiber: $\lambda = 0.034 \text{ W/m}^{\circ}\text{K}$

Mineral fiber: λ = 0.057 W/m°K

Washability / Scrubbability as

Exceeds 1000 Wash/Scrub cycles

extent of abrasion upon request

per ASTM D4828 & D2486

without surface break or the

Ceiling Attenuation Class [CAC]

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

USG ME

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. Louna™ Hi CAC Black Ceiling Version #: 4 Revision date: 13-March-2025 Issue date: 3-January-2018 Doc. Ref CT-TDS017-4

This technical datasheet is intended for global use in regions where USG ME has authorized sales territories.