

LOUNA™ HI CAC BLACK



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FEATURES & 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 wet-felted mineral fiber substrate on the rear side. Finished with painted fiberglass scrim and sealed edge.
- Excellent combination of 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

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

LOUNA™ HI CAC BLACK



EN 13964 - 2014 + A1 - 2007

HIGH SOUND
ABSORPTIONCEILING
ATTENUATION
CLASS

FIRECODE

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-MF	600*600*43	0.85	42	-					
	LCX2243B-MF	610*610*43								
	LCX6243B-MF	600*1200*43	0.85	42	-					
	LCX2443B-MF	610*1220*43								
	LCXX6653B-MF	600*600*53	0.90	41	-					
	LCXX2253B-MF	610*610*53								
	LCXX6253B-MF	600*1200*53	0.90	41	-					
	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 specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
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 [12 kg/m²]

Noise Reduction Coefficient [NRC]

[0.85] [0.90]

Ceiling Attenuation Class [CAC]

[41 - 42 dB]

Mold Prevention Application as per ASTM D3273

Rate 10

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**

A1

Thermal Conductivity:

Fiber glass: $\lambda = 0.036 \text{ W/m}^2\text{K}$
Mineral fiber: $\lambda = 0.057 \text{ W/m}^2\text{K}$

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 | IEQ Credit 9

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