

SOFT FIBER LOUNA™ HI CAC



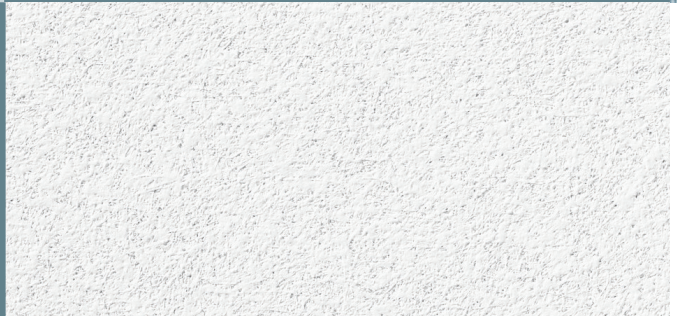
LOUNA™ HI CAC

FEATURES AND BENEFITS

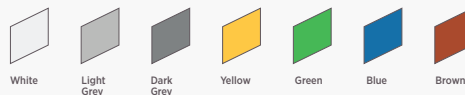
- Balanced Acoustics. High-NRC and High-CAC.
- Specifically engineered when high acoustic performance is needed to satisfy high-frequency performance criteria.
- Hybrid ceiling panel is made of soft fiber substrate with wet-felted mineral fiber substrate on the rear side and finished with painted fiberglass 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.
- Available in different colors.

APPLICATIONS

- Recording studios and radio stations
- Music and sports hall
- Industrial premises
- Convention halls and concourses
- Restaurants
- Sports facilities



AVAILABLE COLOR



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 	LCX6643	600*600*43	0.85	42	88%			40%	N/A	\$\$\$\$
	LCX2243	610*610*43								
	LCX6243	600*1200*43	0.85	42	88%			40%	N/A	\$\$\$\$
	LCX2443	610*1220*43								
	LCXX6253	600*600*53	0.90	41	88%			40%	N/A	\$\$\$\$
	LCXX2453	610*610*53								
	LCXX6253	600*1200*53	0.90	41	88%			40%	N/A	\$\$\$\$
	LCXX2453	610*1220*53								
FL 	LCXRF6643	600*600*43	0.85	42	88%			40%	N/A	\$\$\$\$
	LCXRF2243	610*1220*43								
	LCXRF6243	600*1200*43	0.85	42	88%			40%	N/A	\$\$\$\$
	LCXRF2443	610*1220*43								
	LCXXRF6253	600*600*53	0.90	41	88%			40%	N/A	\$\$\$\$
	LCXXRF2453	610*1220*53								
	LCXXRF6653	600*1200*53	0.90	41	88%			40%	N/A	\$\$\$\$
	LCXXRF2253	610*1220*53								

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DXT FL Edge	DXF FL Edge

SPECIFICATIONS DETAILS

Louna™ Hi CAC 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, Reveal [FL]

Weight

43mm [8.85 kg/m²],
53mm [9.30 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: Resistant to mold growth

Humidity Resistance

Maximum 99% RH / 40°C

Light Reflectance Coefficient [LR]

0.88

Color

Standard White. Other colors are available upon request

Surface Burning Characteristics as per ASTM E84

Class A

EN 13501-1 Class of Reaction to Fire Performance

A1

Thermal Conductivity:

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

Mineral fiber: $\lambda = 0.057 \text{ W/m}^{\circ}\text{K}$

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