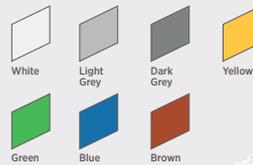


LOUNA™ HI CAC



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



FEATURES & 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. 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.
- Available in different colors.

APPLICATIONS

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

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Absorption Coefficient	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



EN 13964 - 2014 + A1 - 2007



HIGH SOUND ABSORPTION



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

GRID PROFILE OPTIONS

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

SPECIFICATION DETAILS

Louna™ Hi CAC 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, Reveal [FL]

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

Light Reflectance Coefficient [LR]

0.88

Color

Standard White similar to RAL 9016.
Other colors are available upon request

Surface Burning Characteristics as per ASTM E84 Class A

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

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.

©2022 Factory of USG Middle East LTD. Co. All rights reserved.

