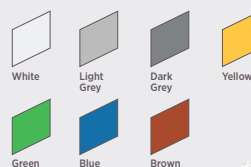




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## FINISH OPTIONS



## 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

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



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
SQ 	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								
	LCXX6253-MF	600*1200*53	0.90	41	88%			40%	N/A	\$\$\$\$\$
FL 	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

#### 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

#### Disclaimer:

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