

LOUNA™ HYGIENE

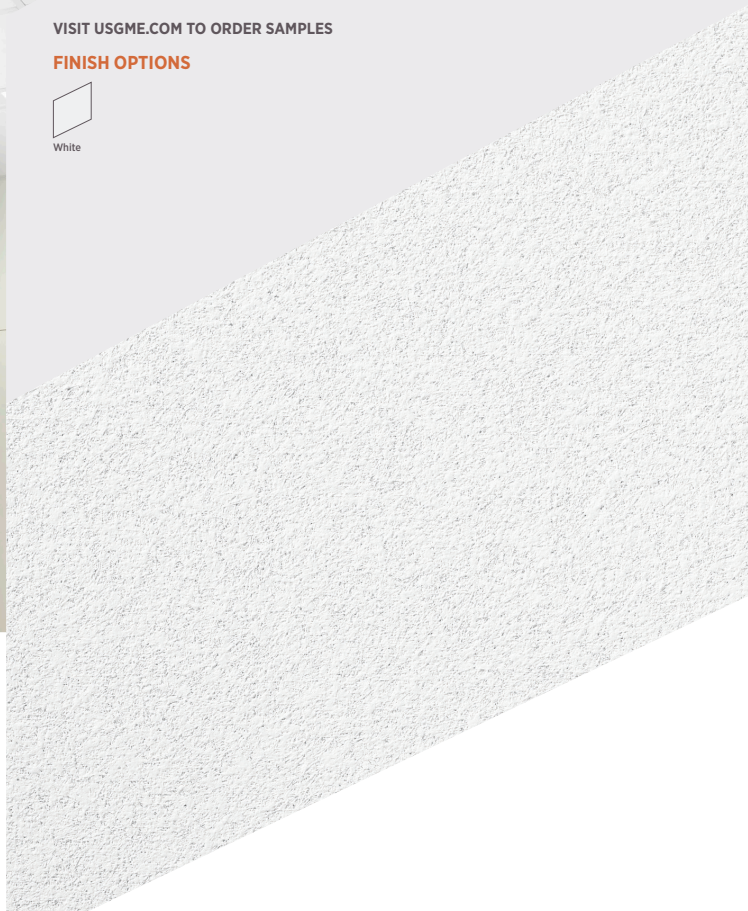


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FINISH OPTIONS



White



FEATURES & BENEFITS

- Louna™ Hygiene is ISO 4 according to the norm ISO 14644-1 : 2015.
- Superb ceiling panel made of stone wool substrate with water repellent facing membrane designed to be durable and safe with common disinfectants and sealed edges.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- For healthcare facilities this option provides an excellent combination of noise reduction (up to NRC-0.95) and sound attenuation (up to CAC-39) to improve patient recovery.
- High light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Recommended to be used with AX grid for hospitals in high-humidity or wet-cleaned areas.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ Integrated ceiling system.

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Laboratories
- Laundry areas
- Lobbies
- ICU / NICU
- Pharmacies
- Waiting areas
- Ware washing

Absorption Coefficient

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.60	0.85	0.85	0.95	1.0	1.0	0.90
19mm-R**	0.55	0.80	0.75	0.90	1.0	1.0	0.85
25mm	0.65	0.95	0.90	1.0	1.0	1.0	0.95
25mm-R**	0.60	0.80	0.80	1.0	1.0	1.0	0.90
25mm-AF***	0.40	0.70	0.85	1.0	1.0	1.0	0.90
38mm-AF***	0.45	0.65	0.80	0.95	0.95	0.95	0.85

* Calculated to ASTM C 423-01

** Reveal Edge

*** Aluminium Foil



LOUNA™ HYGIENE



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



AVAILABLE IN CONCEALED EDGE



FIRECODE



HEALTHCARE APPLICATION

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 	LC669H	600*600*19	0.90	25	88%		Class A	47%	N/A	\$\$\$
	LC229H	610*610*19								
	LC6625H	600*600*25	0.95	26	88%		Class A	47%	N/A	\$\$\$
	LC2225H	610*610*25								
	LC3225H	300*1200*25	0.90	26	88%		Class A	47%	N/A	\$\$\$\$
	LC1425H	310*1220*25								
	LC6625-AFH*	600*600*25	0.90	35	88%		Class A	47%	N/A	\$\$\$\$
	LC2225-AFH*	610*610*25								
SL 	LCR669H	600*600*19	0.85	27	88%		Class A	47%	N/A	\$\$\$\$
	LCR229H	610*610*19								
	LCR6625H	600*600*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR2225H	610*610*25								
	LCR3225H	300*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR1425H	310*1220*25								
	LCR6225H	600*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR2425H	610*1220*25								
FL 	LCRF669H	600*600*19	0.85	27	88%		Class A	47%	N/A	\$\$\$\$
	LCRF229H	610*610*19								
	LCRF6625H	600*600*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCRF2225H	610*610*25								
	LCRF6225H	600*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCRF2425H	610*1220*25								
D-BESK 	LCRFDC669H	600*600*19	0.85	28	88%		Class A	47%	N/A	\$\$\$\$\$
	LCRFDC6625H	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$
S-BESK 	LCDS6625H	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$
BESK 	LCFC669H	600*600*19	0.85	28	88%		Class A	47%	N/A	\$\$\$\$\$
	LCFC225H	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$

*Aluminium Foil
 ** To ASTM E84

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXLT SQ Edge	AXCE SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge
DXI FL Edge	DX/DXL D-BESK	DX/DXL S-BESK	DX/DXL BESK Edge		

LOUNA™ HYGIENE

SPECIFICATION DETAILS



EN 13964 : 2014 + A1 : 2007



PRODUCT
CERTIFIED
FOR
ENVIRONMENTAL
PRODUCT
DECLARATION



HIGH SOUND
ABSORPTION



CEILING
ATTENUATION
CLASS



AVAILABLE
IN CONCEALED
EDGE



FIRECODE



HEALTHCARE
APPLICATION

Louna™ Hygiene Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: G

Substrate and Surface Finish

Stone Wool substrate laminated with prepainted fiberglass scrim with sealed edges and water repellent membrane and back fiberglass tissue

Water Absorbance

Repellency membrane that resists mild water drippage for up to 2 hrs

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm,
300 x 1200mm, 310 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]
Concealed [D-BESK, S-BESK, BESK]

Weight

Square:
19mm: 2.28 kg/m²
25mm: 3 kg/m²
38mm: 4.55 kg/m²

Reveal [SL, FL]:

19mm: 2.85 kg/m²
25mm: 3.75 kg/m²
Concealed [D-BESK, S-BESK, BESK]:
19mm: 3.13 kg/m²
25mm: 4.12 kg/m²

Noise Reduction Coefficient [NRC]

[0.85] [0.90] [0.95]

Ceiling Attenuation Class [CAC]

[25 - 39 dB]

Clean Room Classification as per ISO

14644-1
ISO 4

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.88

Color

Standard White similar to RAL 9016.

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

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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