SOFT FIBER
LOUNA™ HYGIENE

CE EN 13964 : 2014 + A1 : 2007

PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION

HIGH SOUND ABSORPTION

CEILING ATTENUATION CLASS

AVAILABLE IN CONCEALED EDGE
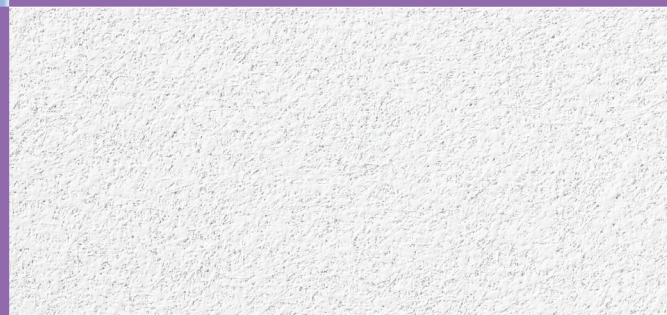
FIRECODE

HEALTHCARE APPLICATION

LOUNA™ HYGIENE

FEATURES AND BENEFITS

- Louna™ Hygiene is ISO 4 according to the ISO 14644-1: 2015 norm.
- A superb ceiling panel made of stonewool substrate with a water-repellent facing membrane is designed to be durable and safe with standard 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.
- Using an AX grid for hospitals in high-humidity or wet-cleaned areas is recommended.
- Washable & scrubbable finish. Impact & scratch-resistant.
- Available in plank sizes compatible with Logix™ system.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.

APPLICATIONS AS PER 2018 FGI GUIDELINES

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

AVAILABLE COLOR

White

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

SPECIFICATIONS DETAILS

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

Materials Classification
Type A, Form A2.3, Pattern G

Substrate and Surface Finish
Stonewool 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, 305 x 1220mm

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

Weight
Square:
      19mm: 2 kg/m²
      25mm: 2.6 kg/m²
      38mm: 4 kg/m²
Reveal [SL, FL]:
      19mm: 2.75 kg/m²
      25mm: 3.6 kg/m²
Concealed [D-BESK, S-BESK, BESK]:
      19mm: 3.5 kg/m²
      25mm: 4.6 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: Resistant to mold growth

VOC Class
Greenguard & Greenguard Gold

Humidity Resistance
Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]
0.88

Color
Standard White

Surface Burning Characteristics as per ASTM E84
Class A

EN 13501-1 Class of Reaction to Fire Performance
A1

Thermal Conductivity
λ = 0.036 W/m°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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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 LC229H	600*600*19 610*610*19	0.90	25	88%		Class A	47%	N/A	$$$
	LC6625H LC2225H	600*600*25 610*610*25	0.95	26	88%		Class A	47%	N/A	$$$
	LC3225H LC1425H	300*1200*25 305*1220*25	0.90	26	88%		Class A	47%	N/A	$$$$
	LC6625-AFH* LC2225-AFH*	600*600*25 610*610*25	0.90	35	88%		Class A	47%	N/A	$$$$
	LC6638-AFH* LC2238-AFH*	600*600*38 610*610*38	0.85	39	88%		Class A	47%	N/A	$$$$
SL	LCR669H LCR229H	600*600*19 610*610*19	0.85	27	88%		Class A	47%	N/A	$$$$
	LCR6625H LCR2225H	600*600*25 610*610*25	0.90	28	88%		Class A	47%	N/A	$$$$
	LCR3225H LCR1425H	300*1200*25 305*1220*25	0.90	28	88%		Class A	47%	N/A	$$$$
	LCR6225H LCR2425H	600*1200*25 610*1220*25	0.90	28	88%		Class A	47%	N/A	$$$$
FL	LCRF669H LCRF229H	600*600*19 610*610*19	0.85	27	88%		Class A	47%	N/A	$$$$
	LCRF6625H LCRF2225H	600*600*25 610*610*25	0.90	28	88%		Class A	47%	N/A	$$$$
	LCRF6225H LCRF2425H	600*1200*25 610*1220*25	0.90	28	88%		Class A	47%	N/A	$$$$
	LCRF3225H LCRF1425H	300*1200*25 305*1220*25	0.90	28	88%		Class A	47%	N/A	$$$$
D-BESK	LCRFDC669H	600*600*19	0.85	28	88%		Class A	47%	N/A	$$$$$
	LCRFDC6625H	600*600*25	0.90	29	88%		Class A	47%	N/A	$$$$$
S-BESK	LCDSC6625H	600*600*25	0.90	29	88%		Class A	47%	N/A	$$$$$
BESK	LCFC669H	600*600*19	0.85	28	88%		Class A	47%	N/A	$$$$$
	LCFC225H	600*600*25	0.90	29	88%		Class A	47%	N/A	$$$$$

*Aluminium Foil
** To ASTM E84

Low Emissions (VOC)
Third party (GREENGUARD & GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

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

Disclaimer:
Information contained in this document is subject to change without prior notice due to our ongoing product development. We recommend referring to the website **usgme.com** for the most up-to-date and accurate product information.

Louna™ Hygiene Ceiling
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This technical datasheet is intended for global use in regions where USG ME has authorized sales territories.