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FINISH OPTIONS



FEATURES & BENEFITS

- Halcyon™ Healthcare is ISO 3 according to the norm ISO 14644-1 : 2015.
- Fiberglass substrate with water repellent facing membrane designed to be durable and safe with common disinfectants.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- Exceptional sound absorption with NRC values up to 1.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.
- High light reflectance (LR-0.88) reduces light fixture & energy use.
- Recommended to be used with CE 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
- ICU / NICU
- Pharmacies
- Lobbies
- Waiting areas
- Ware washing

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	19mm	0.50	0.90	1.0	0.90	0.95	0.90	0.95
	19mm Concealed	0.65	0.85	0.80	0.95	1.0	1.0	0.95
	25mm	0.40	0.90	1.0	0.95	1.0	1.0	1.0
	25mm Concealed	0.75	0.85	0.85	1.0	1.0	1.0	1.0
	38mm	0.60	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01



HALCYON™ HEALTHCARE



PRODUCT
CERTIFIED
FOR
ENVIRONMENTAL
PRODUCT
DECLARATION



HIGH SOUND
ABSORPTION



AVAILABLE
IN CONCEALED
EDGE



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 	HC669-HC	600*600*19	0.95	24	88%		Class A	40%	N/A	\$\$\$\$
	HC229-HC	610*610*19								
	HC629-HC	600*1200*19	0.95	24	88%		Class A	40%	N/A	\$\$\$\$
	HC249-HC	610*1220*19								
	HC6625-HC	600*600*25	1.0	25	88%		Class A	40%	N/A	\$\$\$\$
	HC2225-HC	610*610*25								
	HC6225-HC	600*1200*25	1.0	25	88%		Class A	40%	N/A	\$\$\$\$
	HC2425-HC	610*1220*25								
	HC6638-HC	600*600*38	1.0	31	88%		Class A	40%	N/A	\$\$\$\$
	HC2238-HC	610*610*38								
FL 	HC6238-HC	600*1220*38	1.0	31	88%		Class A	40%	N/A	\$\$\$\$
	HC2238-HC	610*1220*38								
	HCRF6625-HC	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCRF2225-HC	610*610*25								
SL 	HCRF6225-HC	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCRF2425-HC	610*1220*25								
	HCR6625-HC	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCR2225-HC	610*610*25								
D-BESK** 	HCRFDC669-HC	600*600*19	0.95	28	88%		Class A	40%	N/A	\$\$\$\$\$
	HCRFDC6625-HC	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$\$
S-BESK** 	HCDSC6625-HC	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$\$
BESK** 	HCFC669-HC	600*600*19	0.95	28	88%		Class A	40%	N/A	\$\$\$\$\$
	HCFC6625-HC	600*600*25	1.0	30	88%		Class A	40%	N/A	\$\$\$\$\$

GRID PROFILE OPTIONS

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

*To ASTM E84

**Additional concealed panels configurations are available on special order: 600 x 1200, 600 x 1500, 600 x 1800 and 600 x 2400

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SPECIFICATION
DETAILS

Halcyon™ Healthcare Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XII, Form: 2, Pattern: E, G

Substrate and Surface Finish

Glasswool substrate laminated with factory applied painted fiberglass scrim and water repellent membrane, and back fiberglass tissue

Water Absorbance

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

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]

Concealed [D-BESK, S-BESK, BESK]

Weight

Square

19mm [2.1 kg/m²],
25mm [2.3 kg/m²],
38mm [4.2 kg/m²]

Reveal [SL, FL]

19mm [2.1 kg/m²],
25mm [2.75 kg/m²]

Concealed [D-BESK, S-BESK, BESK]

19mm [2.65 kg/m²],
25mm [3.5 kg/m²]

Noise Reduction Coefficient [NRC]

[0.95] [1.0]

Ceiling Attenuation Class [CAC]

[24 - 31 dB]

Clean Room Classification as per ISO

14644-1

ISO 3

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C

Light Reflectance Coefficient [LR]

0.88

Color

White similar to RAL 9016.

Surface Burning Characteristics as per ASTM E84

Class A

EN 13501-1 Class of Reaction to Fire Performance

A2-s1,d0

Thermal Conductivity

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

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

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