

# HALCYON™ HEALTHCARE

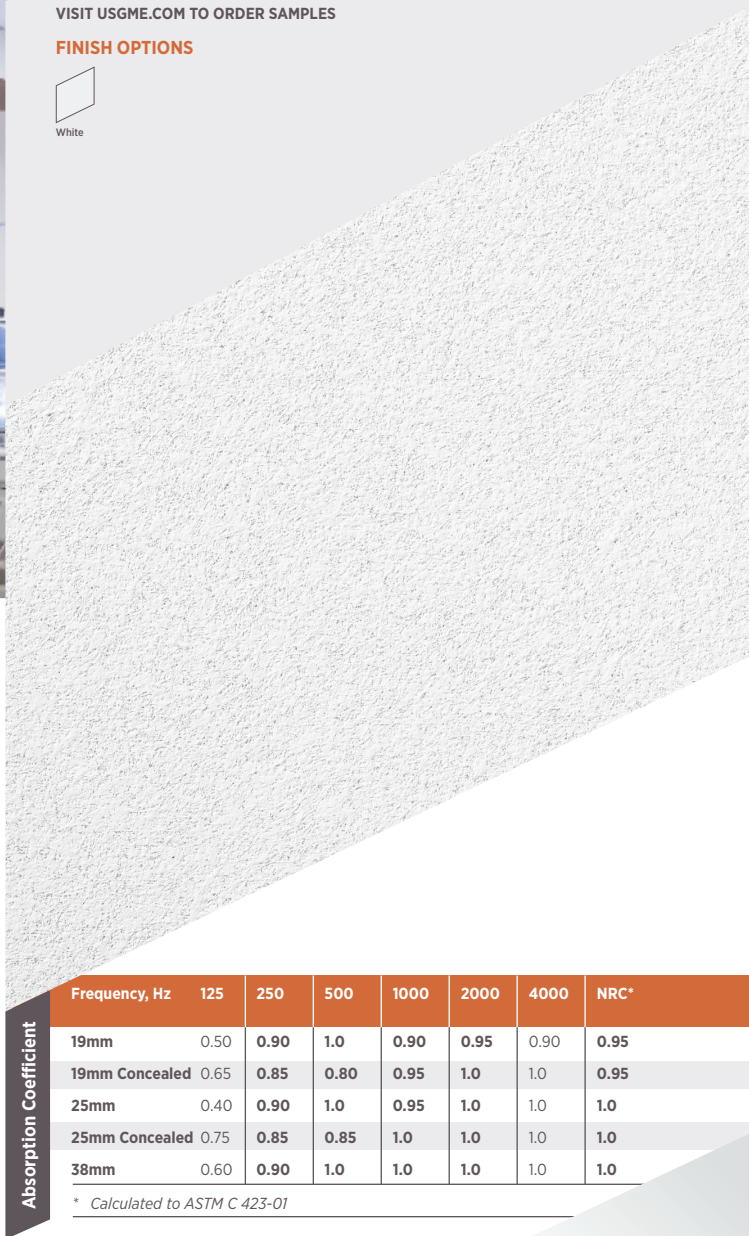


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**FINISH OPTIONS**



White



**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	<b>0.90</b>	<b>1.0</b>	<b>0.90</b>	<b>0.95</b>	0.90	<b>0.95</b>
19mm Concealed		0.65	<b>0.85</b>	<b>0.80</b>	<b>0.95</b>	<b>1.0</b>	1.0	<b>0.95</b>
25mm		0.40	<b>0.90</b>	<b>1.0</b>	<b>0.95</b>	<b>1.0</b>	1.0	<b>1.0</b>
25mm Concealed		0.75	<b>0.85</b>	<b>0.85</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>
38mm		0.60	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>1.0</b>

\* 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								
	HC6238-HC	600*1220*38	1.0	31	88%		Class A	40%	N/A	\$\$\$\$
	HC2238-HC	610*1220*38								
FL 	HCRF6625-HC	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCRF2225-HC	610*610*25								
	HCRF6225-HC	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCRF2425-HC	610*1220*25								
SL 	HCR6625-HC	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCR2225-HC	610*610*25								
	HCR6225-HC	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCR2425-HC	610*1220*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** 	HCDC6625-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

## HALCYON™ HEALTHCARE



PRODUCT  
CERTIFIED  
FOR  
ENVIRONMENTAL  
PRODUCT  
DECLARATION



HIGH SOUND  
ABSORPTION



AVAILABLE  
IN CONCEALED  
EDGE



HEALTHCARE  
APPLICATION

### 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 drippage 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/m<sup>2</sup>],  
25mm [2.3 kg/m<sup>2</sup>],  
38mm [4.2 kg/m<sup>2</sup>]

Reveal [SL, FL]

19mm [2.1 kg/m<sup>2</sup>],  
25mm [2.75 kg/m<sup>2</sup>]

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

19mm [2.65 kg/m<sup>2</sup>],  
25mm [3.5 kg/m<sup>2</sup>]

#### 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

#### 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

#### Notice:

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