


# SOFT FIBER HALCYON™ HEALTHCARE





**CERTIFIED**  
ENVIRONMENTAL  
 PRODUCT DECLARATION  
 (EPD)

**PRODUCT  
 CERTIFIED  
 FOR  
 ENVIRONMENTAL  
 PRODUCT  
 DECLARATION**



**HIGH SOUND  
 ABSORPTION**

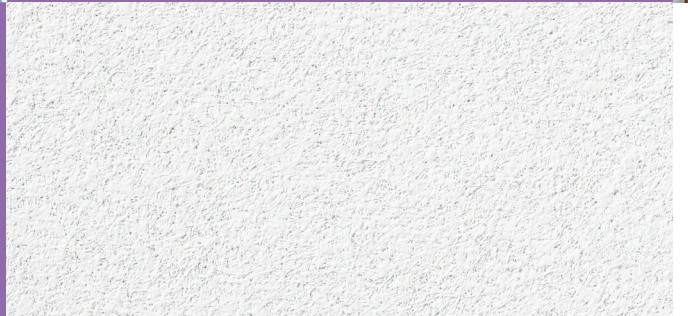


**AVAILABLE  
 IN CONCEALED  
 EDGE**



**HEALTHCARE  
 APPLICATION**

## HALCYON™ HEALTHCARE



### FEATURES AND BENEFITS

- Halcyon™ Healthcare is ISO 3 according to the ISO 14644-1: 2015 norm.
- Glasswool substrate with a 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.
- Certified for Environmental Product Declaration (EPD) as per ISO 14025.
- High light reflectance (LR-0.88) reduces light fixture & energy use.
- Using a CE 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™ integrated ceiling system.

### APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Laboratories
- Laundry areas
- ICU / NICU

### AVAILABLE COLOR



### 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



# SPECIFICATIONS DETAILS

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

**Materials Classification**

Type B, Form B2, Pattern 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 [1.85 kg/m<sup>2</sup>],

25mm [2.4 kg/m<sup>2</sup>],

38mm [4.37 kg/m<sup>2</sup>]

Reveal [SL, FL]

19mm [2.2 kg/m<sup>2</sup>],

25mm [2.87 kg/m<sup>2</sup>]

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

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

25mm [3.62 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: Resistant to mold growth

**Humidity Resistance**

Maximum 99% RH / 40°C

**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**

A2-s1,d0

**Thermal Conductivity**

$\lambda = 0.034 \text{ W/m}^2\text{K}$

**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



**TABLE OF PERFORMANCE**

| Edge Detail | Item          | Size (mm)   | NRC  | CAC | Light Reflectance | Anti-Mold & Mildew/Sag Resistance | Fire Rating* | Recycled Content | VOC Emission | Cost       |
|-------------|---------------|-------------|------|-----|-------------------|-----------------------------------|--------------|------------------|--------------|------------|
|             | HC669-HC      | 600*600*19  | 0.95 | 24  | 88%               |                                   | Class A      | 40%              | N/A          | \$\$\$\$   |
|             | HC229-HC      | 610*610*19  | 0.95 | 24  | 88%               |                                   | Class A      | 40%              | N/A          | \$\$\$\$   |
|             | HC629-HC      | 600*1200*19 |      |     |                   |                                   |              |                  |              |            |
|             | HC249-HC      | 610*1220*19 | 1.0  | 25  | 88%               |                                   | Class A      | 40%              | N/A          | \$\$\$\$   |
|             | HC6625-HC     | 600*600*25  |      |     |                   |                                   |              |                  |              |            |
|             | 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   |             |      |     |                   |                                   |              |                  |              |            |
|             | HCRF6625-HC   | 600*600*25  | 1.0  | 28  | 88%               |                                   | Class A      | 40%              | N/A          | \$\$\$\$   |
|             | HCRF2225-HC   | 610*610*25  | 1.0  | 28  | 88%               |                                   | Class A      | 40%              | N/A          | \$\$\$\$   |
|             | HCRF6225-HC   | 600*1200*25 |      |     |                   |                                   |              |                  |              |            |
|             | HCRF2425-HC   | 610*1220*25 |      |     |                   |                                   |              |                  |              |            |
|             | HCR6625-HC    | 600*600*25  | 1.0  | 28  | 88%               |                                   | Class A      | 40%              | N/A          | \$\$\$\$   |
|             | HCR2225-HC    | 610*610*25  | 1.0  | 28  | 88%               |                                   | Class A      | 40%              | N/A          | \$\$\$\$   |
|             | HCR6225-HC    | 600*1200*25 |      |     |                   |                                   |              |                  |              |            |
|             | HCR2425-HC    | 610*1220*25 |      |     |                   |                                   |              |                  |              |            |
|             | 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          | \$\$\$\$\$ |
|             | HCDC6625-HC   | 600*600*25  | 1.0  | 30  | 88%               |                                   | Class A      | 40%              | N/A          | \$\$\$\$\$ |
|             | 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 Edge |
|--------------------|--------------------|------------------|-------------|-------------|-------------|----------------|
|                    |                    |                  |             |             |             |                |
| 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

