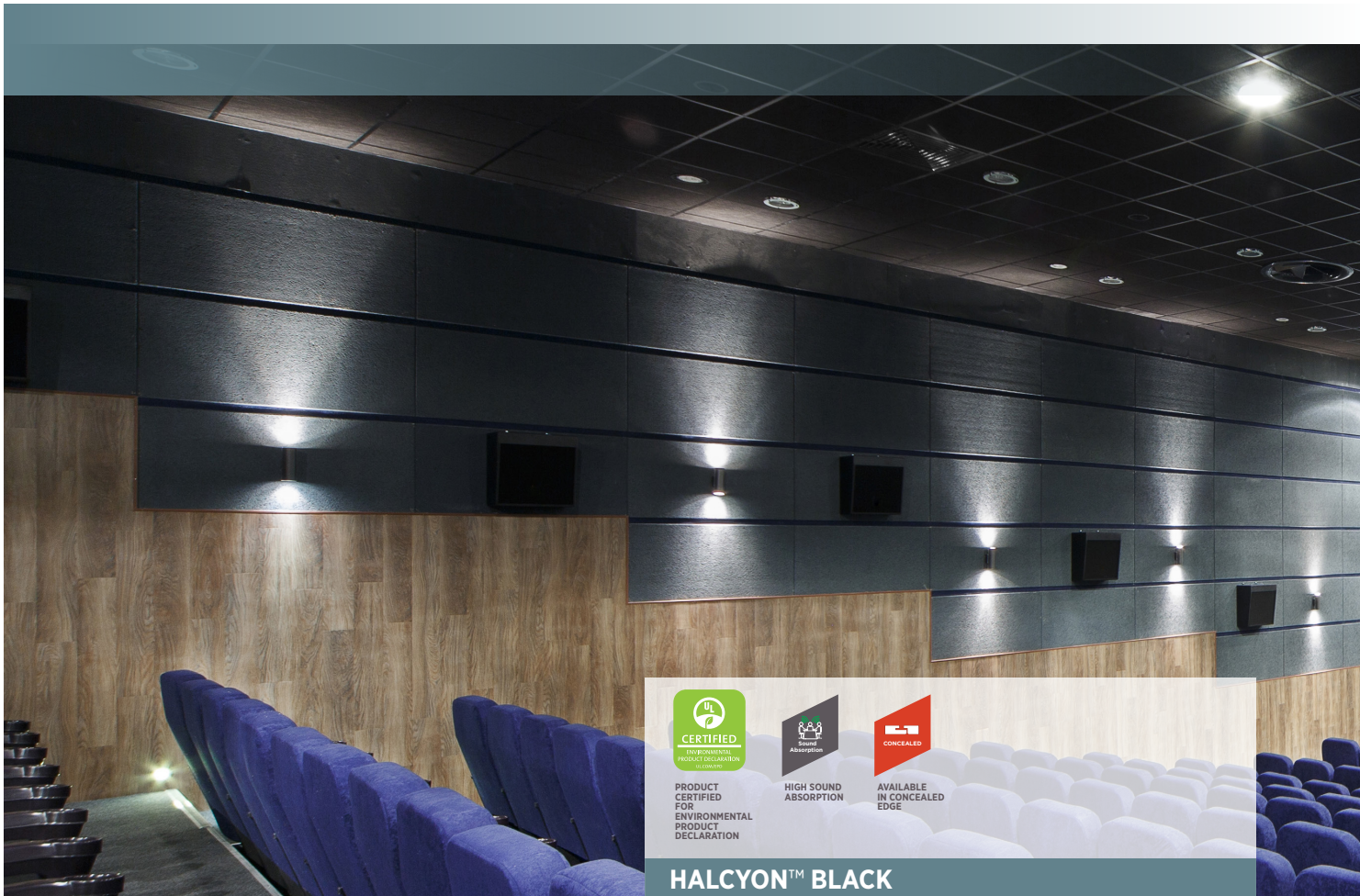


# SOFT FIBER HALCYON™ BLACK



PRODUCT  
CERTIFIED  
FOR  
ENVIRONMENTAL  
PRODUCT  
DECLARATION



HIGH SOUND  
ABSORPTION



AVAILABLE  
IN CONCEALED  
EDGE

**HALCYON™ BLACK**

## FEATURES AND BENEFITS

- Glasswool substrate with elegant and refined acoustical facing and high-performance mineral fleece membrane on the backside. Planks are fully demountable, which reduces installation time.
- Light black tile is ideal for use in cinemas and theaters.
- Exceptional sound absorption with NRC values up to 1 & high acoustic sound absorption performance at low frequencies, satisfying high-performance needs for cinema construction.
- Impact & scratch-resistant.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.
- Available in concealed edges BESK, D-BESK & S-BESK.

## APPLICATIONS

- Cinemas and operating theatres
- Restaurants
- Convention halls and concourses
- Bowling alleys
- Conference rooms

## 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>
50mm	0.60	<b>0.75</b>	<b>0.90</b>	<b>1.0</b>	<b>1.0</b>	1.0	<b>0.95</b>

\* Calculated to ASTM C 423-01





# SPECIFICATIONS DETAILS

Halcyon™ Black 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 back fiberglass tissue

#### Thickness

19mm, 25mm, 38mm, 50mm

#### Size

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

#### Edge Detail Trim

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

#### Noise Reduction Coefficient

##### [NRC]

[0.90] [0.95] [1.0]

#### Ceiling Attenuation Class [CAC]

[24 - 34 dB]

#### 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>]  
40mm [4.75 kg/m<sup>2</sup>]  
50mm [6 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>]

#### Mold Prevention Application as per ASTM D3273

Rate 10: Resistant to mold growth

#### Humidity Resistance

Maximum 99% RH / 40°C

#### Color

Black Color similar to RAL 7021

#### 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

## 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 	HC669B	600*600*19	0.95	24	-		Class A	40%	N/A	\$\$\$
	HC229B	610*610*19								
	HC629B	600*1200*19	0.95	24	-		Class A	40%	N/A	\$\$\$
	HC249B	610*1220*19								
	HC6625B	600*600*25	1.0	25	-		Class A	40%	N/A	\$\$\$
	HC2225B	610*610*25								
	HC6238B	600*1200*38	1.0	31	-		Class A	40%	N/A	\$\$\$
	HC2438B	610*1220*38								
	HC6638B	600*600*38	1.0	31	-		Class A	40%	N/A	\$\$\$
	HC2238B	610*610*38								
	HCE6240B-AF	600*1200*40	0.90	34	-		Class A	40%	N/A	\$\$\$\$
	HCE2440B-AF	610*1220*40								
D-BESK** 	HCRFDC669B	600*600*19	0.95	28	-		Class A	40%	N/A	\$\$\$\$
	HCRFDC6625B	600*600*25	1.0	30	-		Class A	40%	N/A	\$\$\$\$
S-BESK 	HCDSC6625B	600*600*25	1.0	30	-		Class A	40%	N/A	\$\$\$\$
BESK** 	HCFC669B	600*600*19	0.95	28	-		Class A	40%	N/A	\$\$\$\$
	HCFC6625B	600*600*25	1.0	30	-		Class A	40%	N/A	\$\$\$\$

\*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

## GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL D-BESK Edge	DX/DXL S-BESK Edge	DX/DXL BESK Edge

