

HALCYON™ BLACK



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FEATURES & BENEFITS

- Fiberglass 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 for ideal application 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.
- Available in concealed planks.

APPLICATIONS

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

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Absorption Coefficient	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
	50mm	0.60	0.75	0.90	1.0	1.0	1.0	0.95

* Calculated to ASTM C 423-01

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PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



AVAILABLE IN CONCEALED EDGE

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
	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								
	HCE6650B	600*600*50	0.95	32	-		Class A	40%	N/A	\$\$\$\$
	HCE2250B	610*610*50								
	HCRFDC669B	600*600*19	0.95	28	-		Class A	40%	N/A	\$\$\$\$
	HCRFDC6625B	600*600*25	1.0	30	-		Class A	40%	N/A	\$\$\$\$
	HCDCS6625B	600*600*25	1.0	30	-		Class A	40%	N/A	\$\$\$\$
	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

SPECIFICATION DETAILS

Halcyon™ Black 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 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]

Weight

Square

19mm [2.1 kg/m²],
25mm [2.3 kg/m²],
38mm [4.2 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 - 32 dB]

Mold Prevention Application as per ASTM D3273
Rate 10

Humidity Resistance
Maximum 99% RH / 40°C

Color

Black Color similar to RAL 7021

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity
λ = 0.034 W/m²K

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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