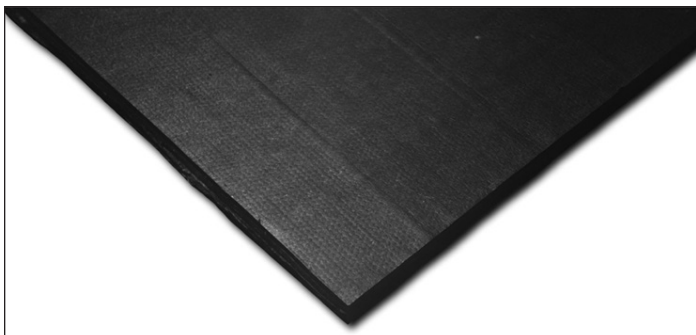




SelectSound® Black Acoustic Board Insulation



PRODUCT FEATURES

Description

Glass fibre sound attenuation board insulation.

Basic Uses/Related Uses

Semi-rigid grey/black glass fibre product with a black glass fibre mat surface on one side. The black surface is designed to help eliminate screen light reflections and preventing insulation from showing through most surface treatments.

Selection Criteria

- Absorbs up to 100% of the sound striking its surface
- Material properties contribute to reduction of dust and static electricity ensuring clean and easy installation
- Reduces reverberation sounds within spaces
- Long term acoustical performance
- Dimensionally stable
- Not susceptible to rot or mildew and will not corrode steel, copper and aluminum
- Installed on gypsum, concrete block, precast concrete using impaling pins or appropriate adhesives

Applicable Standards

CAN/ULC-S102	Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies
ASTM C423	Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM C665	Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufacture Housing
ASTM C553	Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications
ASTM C1104	Test Method for Determining the Water Vapour Sorption of Unfaced Mineral Fiber Insulation
ASTM C1338	Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings
ASTM E84	Surface Burning Characteristics of Building Materials
ASTM C165	Test for Measuring Compressive Properties of Thermal Insulations
ASTM C303	Stand Test Method of Dimensions and Density of Preformed Block and Board-Type Thermal Insulation
ASTM C612	Standard Specification for Mineral Fiber Block and Board Thermal Insulation
UL 181	Standard for Factory-Made Air Ducts and Air Connectors

Performance Criteria

Compliance	Type I Type I	ASTM C553 ASTM C612
Fire	Flame Spread <25; Smoke Developed <50	CAN/ULC-S102
Moisture	Fungi Resistance (pass) <3% at 49 °C (120 °F), 95% RH	ASTM C1338 ASTM C1104
Corrosion	Steel, Aluminum, Copper - Non-corrosive	ASTM C665
Minimum compressive strength	at 10% deformation: 1197 kPa (25 lbs/ft ²) at 20% deformation: 4309 kPa (90 lbs/ft ²)	ASTM C165
Density	48 kg/m ³ (3.0 lbs/ft ³)	ASTM C303
Maximum Air Velocity	Erosion Test: 15.25 m/sec. (3,000 fpm)	UL 181

Thickness mm (in)	Thermal Resistance (R) (ASTM C518)	Density kg/m ³ (lbs/ft ³)	Octave Band Centre Frequencies (Hz)						
			125	250	500	1000	2000	4000	NRC ⁽¹⁾
25 (1)	4.3	48 (3.0)	0.06	0.25	0.62	0.91	0.99		0.70
51 (2)	8.6		0.18	0.71	1.12	1.12	1.03		1.00

⁽¹⁾Data were obtained using a limited number of samples and do not constitute absolute values; acceptable tolerances should therefore be provided. Tests were performed according to ASTM C423, using Type A apparatus (material tested placed against a solid support, for example a concrete masonry unit wall). Owens Corning's acoustic laboratory that performed the tests is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).



SelectSound® Black Acoustic Board Insulation

Delivery and Storage

Deliver products in their original packages, and store in enclosed shelter.

Limitations

Packaging is not UV resistant. Shelter unused packages from the elements:

- To prevent fire or overheating of recessed light fixtures maintain building, electrical, gas and oil safety code required clearances between the insulation and heat emitting devices, such as fuel burning appliances, chimneys, pipes, ducts and vents to these appliances of at least 50 mm (2 in.) and recessed light fixtures of at least 75 mm (3 in.).

Safety

Ensure applicator's personnel wear protective equipment such as breathing mask (dust-proof type mask), eye protection (safety goggles or eye glasses), and skin protection (gloves, long-sleeved shirts, and pants) when handling and applying materials. Wash with soap and warm water after handling. Wash work clothes separately and wipe out washer. For additional information refer to Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

Sizes

Board Length	Board Width	Thickness
2438 mm (96")	1219 mm (48")	25 mm (1")
2438 mm (96")	1219 mm (48")	51 mm (2")

PRODUCT PLACEMENT

Installation

Carefully adjust acoustic boards horizontally and vertically to obtain tight joints between each board and around electrical service boxes, piping, air ducts and framing passing through.

Fastening to a vertical support:

- Impaling Pins: where no decorative screen is provided, use impaling pins with plastic or metal retaining plates. When using impaling pins follow the pin manufacturers recommendations for surface preparation, location and amount of pins. Pin length should be selected to ensure tight fit. Where subject to physical contact, protect pin tips.
- Adhesive: when installing insulation with appropriate adhesive, follow adhesive manufacturer's recommendations for surface preparation.

Technical Services Available

For Canadian Technical inquiries please contact local representative. See Technical territory map via www.specowenscorning.ca/contacttech.

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