



SelectSound® Black Acoustic Blanket Insulation



PRODUCT FEATURES

Description

Glass fibre sound attenuation blanket insulation.

Basic Uses/Related Uses

Inorganic grey/black glass fibre product with a black glass fibre mat surface on one side manufactured from recycled materials. It is excellent for eliminating light reflections while providing outstanding acoustical performance.

Selection Criteria

- Absorbs up to 80% of the sound striking its surface
- Material properties contribute to reduction of dust and static electricity ensuring clean and easy installation
- Accepted use in air plenums
- Long term acoustical performance
- Dimensionally stable
- Not susceptible to rot or mildew and will not corrode steel, copper and aluminum

Sustainability Criteria

- Recycled content of an average 53% with minimum 22% post-consumer and balance 31% pre-consumer (SCS Global Services)
- Contributes to credits in green building programs such as LEED® and Green Globes. For further information see documents: LEED® v4 for Building Design and Construction and Owens Corning Impact Study - Leadership in Energy and Environmental Design (LEED® v4).



AVERAGE 53% RECYCLED CONTENT
31% PRE-CONSUMER
22% POST-CONSUMER

Applicable Standards

CAN/ULC-S102.2	Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous 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 C303	Standard Test Method for Dimensions and Density of Preformed Block and Board-Type Thermal Insulation
ASTM C411	Standard Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation
UL 181	Standard for Factory-Made Air Ducts and Air Connectors

Performance Criteria

Compliance	Type I	ASTM C553
	Type I	ASTM C665
Fire	Flame Spread <25; Smoke Developed <50	CAN/ULC-S102.2
Moisture	Fungi Resistance (pass) <3% by weight at 49 °C (120 °F), 95% RH	ASTM C1338 ASTM C1104
Corrosion	Steel, Aluminum, Copper - Non-corrosive	ASTM C665
Density	24 kg/m ³ (1.5 lb/ft ³)	ASTM C303
Operating Temperature	121 °C (250 °F)	ASTM C411
Maximum Air Velocity	Erosion Test : 15.25 m/sec. (3,000 fpm)	UL 181

Density kg/m ³ (lbs/ft ³)	Thickness mm (in)		Octave Band Frequencies, Hz.						
			125	250	500	1000	2000	4000	NRC ⁽¹⁾
24 (1.5)	25 (1.0)	1829 mm (72") x 21.9 m (70')	0.05	0.030	0.60	0.87	0.98	1.05	0.70
24 (1.5)	51 (2.0)	1219 mm (48") x 15.2 m (50') 1829 mm (72") x 15.2 m (50')	0.20	0.53	0.79	0.94	0.95	0.97	0.80

⁽¹⁾These data were collected using a limited sample size and are not absolute values. Reasonable tolerances must therefore be applied. All tests were conducted in accordance with ASTM C423, Type A mounting (material placed against a solid backing such as a block wall). For more information, call your Owens Corning Representative.



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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

Thickness	Roll Width	Roll Length
50 mm (2")	1829 mm (72")	15.24 m (50')
50 mm (2")	1219 mm (48")	15.24 m (50')
25 mm (1")	1829 mm (72")	21.95 m (70')

PRODUCT PLACEMENT

Installation

Ensure surfaces and technical spaces (above ceilings and under raised floors used as plenums) to be covered by acoustic blankets have been inspected, notably:

- support material's solidity and planarity;
- mechanical, electrical and telecommunications service lines passing in or through voids in partitions and walls acting as supports; and
- mechanical, electrical and telecommunications service lines installed above ceilings or under raised flooring used as plenums.

Carefully adjust acoustic blankets, horizontally or vertically, to obtain tight joints between each blanket 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 manufacturer's recommendations for surface preparation, location and number 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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SCS Global Services provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers. For more information, visit www.SCSglobalservices.com.

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