MasterFormat 09 81 16 –
Acoustic Blanket Insulation

Thermafiber® SAFB™
Mineral Wool Acoustic Batt Insulation

PRODUCT FEATURES

Description
Mineral wool sound attenuation batt insulation.

Basic Uses/Related Uses
Sound absorptive material for various load bearing & non-load bearing sound and fire rated wall and ceiling construction assemblies.

Selection Criteria
- Enhances acoustical performance
- Non-combustible
- Moisture resistant and non-deteriorating
- Non-corrosive
- Vermin resistant
- Fire resistant to temperatures above 1,093° C (2,000° F)

Sustainability Criteria
- Recycled content minimum 70%, standard fiber
- Transparency Documentation Available - Health Product Declaration
- For more information see Environmental Product Declaration (EPD) certified by UL Environment via www.thermafiber.ca/sustainability
- Contributes to credits in several green building programs such as LEED® and Green Globes®

Applicable Standards

CAN/ULC-S702	Standard for Mineral Fibre Thermal Insulation for Buildings
ASTM C665	Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing
CAN/ULC-S114	Standard Method of Test for Determination of Non-combustibility in Building Materials
ASTM E136	Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
CAN/ULC-S129	Standard Method of Test for Smoulder Resistance of Insulation (Basket Method)
CAN/ULC-S102	Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies
ASTM E84	Standard Test Method for Surface Burning Characteristics of Building Materials
ASTM C1104	Standard Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation
ASTM C1338	Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings
ASTM C795	Standard Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel
ASTM C423	Standard Test Method of Sound Absorption and Coefficients by the Reverberation Room Method

Note: Thermafiber® SAFB acoustic rated assemblies are tested to ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.

Performance Criteria

Compliance	Evaluation Listing No. 14059-L								CCMC
	Type I								CAN/ULC-S702
Density	40 kg/m³ (2.5 lbs/ft³)								Nominal
	SAFB™ product < 38 mm (1.5"), 64 kg/m³ (4.0 lbs/ft³)								
Fire	Non-Combustible								CAN/ULC-S114
	Non-Combustible as defined per NFPA Standard 220								ASTM E136
	Smoulder Resistance Mean Mass Loss ≤ 0.02%								CAN/ULC-S129
	Flame Spread 0; Smoke Developed 0								CAN/ULC-S102
	Flame Spread 0; Smoke Developed 0								ASTM E84
Moisture	Moisture Absorption <1% by volume								ASTM C1104
	Fungi Resistance - Pass								ASTM C1338
Corrosion	Austenitic Steel - Non-corrosive								ASTM C795
	Steel, Aluminum, Copper - Non-corrosive								ASTM C665
Acoustic	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC	ASTM C423
	51 mm (2")	0.34	0.61	1.07	1.09	1.07	1.10	0.95	
	76 mm (3")	0.51	0.99	1.18	1.03	0.99	0.96	1.05	
	102 mm (4")	0.83	1.19	1.27	1.12	1.12	1.13	1.20	
	152 mm (6")	1.37	1.32	1.23	1.16	1.12	1.12	1.20	

Sizes

Thickness	Widths	Lengths
25 mm (1") - 89 mm (3.5") in 12.7 mm (1/2") increments	381 mm (15") 406 mm (16") 584 mm (23") 610 mm (24")	1194 mm (47") 1219 mm (48")
102 mm (4") - 178 mm (7") in 25 mm (1") increments		

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Quality Statement, Tests, Certifications and Approvals

- Fire resistance verified by ULC & UL.
  - ULC Classication: BZJZC
  - UL Classication: BZJZ
- Qualifies as sound absorptive material within NBCC and Provincial building codes.
- Recycled content verified by ICC-ES.

Delivery and Storage

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

Limitations

Not recommended for thermal resistant rated construction assemblies. Use Thermafiber® UltraBatt™ insulation where thermal resistant rated mineral wool batt insulation is required. Packaging is not UV resistant. Shelter unused packages from the elements.

Safety

Contact with mineral wool may cause temporary eye and skin irritation. Wear eye protection and long-sleeved loose fitting clothing closed at the neck and wrists. For additional information refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via http://sds.owenscorning.com.

Availability/Cost

Contact Owens Corning local Area Sales Manager.
See ASM territory map via www.thermafiber.ca/contact.

PRODUCT PROPERTIES

Materials

Mineral wool sound absorbing material, Type I (to CAN/ULC-S702), non-combustible (to CAN/ULC-S114), non-corrosive (to ASTM C665).

PRODUCT PLACEMENT

Installation

- Install in accordance with Thermafiber® insulation installation instructions as shown on packaging.
- Blankets are typically installed friction-fit between framing members in wall and floor assemblies.
- Blankets should be butted tight at joints, filling all voids, do not over compress.
- Ceiling overlay done using blankets loose-laid over ceiling assembly, extending 1220 mm (48") beyond all partitions. It is recommended to check with ceiling manufacturer for weight limitations on ceiling tile grid assembly. Tightly fit around all hangers, obstructions, and penetrations.

Technical Services Available

For Canadian Thermafiber® Technical inquiries, please contact our technical team at www.thermafiber.ca/contact.ca.

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Disclaimer of Liability

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