



THERMAFIBER® SAFB™ MINERAL WOOL INSULATION

Thermafiber® SAFB™ (Sound Attenuation Fire Blankets) are mineral wool batts designed to provide acoustical control and fire protection in many UL® fire-rated wall and floor-ceiling assemblies. These products are non-combustible, moisture-resistant, non-corrosive, non-deteriorating, mildew-resistant, and vermin-resistant. SAFB™ can add points to STC for walls and floor-ceiling assemblies. SAFB™ can be installed in both steel stud and wood-framed construction.

Features

- Exceptional sound and noise absorption
- Adds STC value to wall and floor-ceiling assemblies
- Provides fire containment in rated assemblies
- Mineral wool is non-combustible as tested to ASTM E136
- Minimum 70% recycled content¹
- Mold-resistant²
- Contributes to credits in several green building programs, such as LEED® and Green Globes®

² Tested per ASTM C1338, Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings, ASTM International.

Standards, Codes Compliance

- NFPA 101, Class A-rated interior finish
- ASTM C665, Mineral Fiber Blanket Thermal Insulation, Type 1

Physical Properties

PROPERTY	TEST METHOD	VALUE
Corrosion of Steel, Aluminum, and Copper	ASTM C665	Pass
Non-Combustibility	ASTM E136	Non-combustible
Non-Combustibility	CAN/ULC S114	Complies
Water Vapor Sorption	ASTM C1104	Sorption less than 1% by volume
Surface Burning Characteristics	ASTM E84	Flame Spread 0, Smoke Developed 0
Surface Burning Characteristics	CAN/ULC S102	Flame Spread 0, Smoke Developed 0

Acoustical Performance

Noise Reduction Coefficients at Frequencies per ASTM C423

	THICKNESS	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
2.5 pcf Nominal Density	2"	0.34	0.61	1.07	1.09	1.07	1.10	0.95
	3"	0.51	0.99	1.18	1.03	0.99	0.96	1.05
	4"	0.83	1.19	1.27	1.12	1.12	1.13	1.20
	6"	1.37	1.32	1.23	1.16	1.12	1.12	1.20

Availability

PRODUCT	AVAILABLE THICKNESS IN ½" INCREMENTS	STANDARD DIMENSIONS ^{3,4}	
SAFB™ 2.5 pcf	1.5"–8"	16" x 48", 24" x 48"	2.5 pcf (nominal)
SAFB™ 4.0 pcf	1"	16" x 48", 24" x 48"	4.0 pcf (nominal)
Tolerances	+¼", -⅛"	Width: 0, +¼", Length: ±½"	

³ See our product guide for more details.

⁴ Custom sizes are available upon request.

Installation

- Interior Stud Cavity – Friction-fit SAFB™ securely between studs. Butt ends of blankets closely together and fill all voids.
- Floor-Ceiling – Friction-fit SAFB™ securely between floor joints.
- Ceiling Overlayment – Lay SAFB™ over ceiling panels, extending 48 inches beyond all partitions. Tightly fit around all hangers, obstructions, and penetrations.

Product Options

- Recycled Content Options^{1,5}:
 - EPA Choice Fiber (U.S. Government Buildings)Minimum 75%
 - Standard Fiber70%

Formaldehyde-free product available. See Owens Corning publication "Thermafiber® SAFB™ Formaldehyde-Free Mineral Wool Insulation Data Sheet" (Pub. No. 10022322) for more information.

⁵ Recycled content options other than standard must be specified at time of order.

Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation, and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets, and enhancing lives. More information can be found at www.owenscorning.com.

Certifications and Sustainable Features

- ¹Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at icc-es.org.
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information, visit ul.com/epd.
- SAFB™ products have a published Health Product Declaration (HPD).
- This product receives SAFETY Act designation by the U.S. department of Homeland Security. For more information, visit safetyact.gov.



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Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

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