



Thermafiber® SAFB™ Mineral Wool Insulation



Description

Thermafiber® SAFB™ (Sound Attenuation Fire Blankets) are mineral wool batts designed to provide acoustical control and fire protection in many different 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™ resist temperatures over 2,000°F and add STCs to wall and floor-ceiling assemblies. SAFB™ can be installed in both steel and wood framed construction.

Standards, Codes Compliance

NFPA 101	Class A rated interior finish
ASTM C 665	Type I, per Federal Specification HH-I-521F
ASTM E 136	Non-combustible as defined per NFPA Standard 220
CAN/ULC S114	Complies
ASTM C 1104	Absorbs less than 1% by volume
ASTM E 84/ CAN/ULC S102	Flame Spread 0, Smoke Developed 0

SAFB products are approved by: New York City Board of Standards & Appeals - (under BSA 35-66-SM, 173-77-M, 249-74-SM, 34-66-SM, & accepted by MEA 207-82-M, Vol.2)

Product Options

Recycled Content Options^{1,2}:

- EPA Choice Fiber (US Government Buildings) Minimum 75%
- Standard Fiber 70%

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

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

Acoustical Performance

	Coefficients at Frequencies Per ASTM C 423							
	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
2.5 pcf SAFB™ 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

Installation

- Interior Stud Cavity – Friction fit SAFB™ securely between studs. Butt ends of blankets closely together and fill all voids.
- Creased SAFB™ – Using SAFB™ 1" wider than regular blankets, bow the blankets slightly to fit into stud cavity. Slit the blankets vertically 1" deep with a utility knife down the center.
- Floor-Ceiling – Friction fit SAFB™ securely between floor joints.
- Ceiling Overlayment – Lay SAFB™ over ceiling panels extending 48" beyond all partitions. Tightly fit around all hangers, obstructions, and penetrations.

Availability

Nominal Density	Thickness*	Widths**	Lengths
2.5 pcf	1½" - 7"	15", 16", 17", 23", 24", 25"	48"
4.0 pcf	1"	15", 16", 17", 23", 24", 25"	48"
Tolerances	+¼" - 1/8"	±1/8"	±1/2"

*Thicknesses are available in ½" increments.

**15¼" and 23" are recommended widths for wood framed construction.

Thermafiber Insolutions®

Thermafiber Insolutions® offers industry leading technical and engineering assistance to architects, specifiers, and contractors. These services include CAD drawings, engineering judgments, LEED® Credit Information, and product recommendations. Contact our technical services department at 1-888-834-2371 or email ThermafiberInsolutions@owenscorning.com.

Features

- Exceptional sound and noise absorption
- Adds STC value to wall and floor-ceiling assemblies
- Provides fire containment in rated assemblies
- Fire resistant to temperatures above 2,000° F (1,093° C)
- Minimum 70% Recycled content²
- Mold-resistant³
- Contributes to credits in several green building programs such as LEED[®] and Green Globes[®]

3. ASTM C 1338

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.

Notes

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

Submittal Approvals

Job Name _____

Contractor _____

Date _____



Thermafiber[®] SAFB[®], FireSpan[®], and Safing mineral wool insulation contributed to the fire containment of the #7 World Trade Center building in New York City, NY. Thermafiber[®] mineral wool insulation also contributed to the building's LEED[®] Gold Rating.



Made in the USA

Certifications and Sustainable Features

- ²Verified 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.
- Material Health Certificate from Cradle to Cradle Products Innovation Institute. For more information visit c2ccertified.org.
- This product receives SAFETY Act designation by the U.S. department of Homeland Security. For more information visit safetyact.gov.



Thermafiber[®]

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