



# THERMAFIBER® SAFB™

## MINERAL WOOL INSULATION



### Physical Properties

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

### Acoustical Performance

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

DENSITY	THICKNESS <sup>3</sup>	WIDTHS <sup>4</sup>	LENGTHS
2.5 pcf	1 1/2" - 7"	15", 16", 17", 23", 24", 25"	48"
4.0 pcf	1"	15", 16", 17", 23", 24", 25"	48"
Tolerances	+1/4" - 1/8"	±1/8"	±1/2"

3. Thicknesses are available in 1/2" increments.

4. 15" and 23" are recommended widths for wood framed construction

### 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.

### 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, nondeteriorating, mildew-resistant and vermin-resistant. SAFB™ resist temperatures over 2,000°F and adds points to STC for walls and floor-ceiling assemblies. SAFB™ can be installed in both steel 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
- Fire resistant to temperatures above 2,000° F (1,093° C)
- Minimum 70% Recycled content<sup>1</sup>
- Mold-resistant<sup>2</sup>
- Contributes to credits in several green building programs such as LEED® and Green Globes®

2. ASTM C 1338

### Standards, Code Compliance

- NFPA 101, Class A rated interior finish

## Product Options

- Recycled Content Options<sup>1,5</sup>:
  - EPA Choice Fiber (US Government Buildings) .....Minimum 75%
  - Standard Fiber .....70%

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.

## Notes

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

## 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](http://www.owenscorning.com).

## Certifications and Sustainable Features

- <sup>1</sup>Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at [icc-es.org](http://icc-es.org).
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information visit [ul.com/epd](http://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](http://safetyact.gov).



## Disclaimer of Liability

Thermafiber, Inc. shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Thermafiber, Inc. liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing within thirty (30) days from date it was or reasonably should have been discovered. LEED® is a registered trademark of the U.S. Green Building Council. Green Globes® is a registered trademark of Green Building Initiative, Inc. UL and the UL logo are trademarks of UL LLC.



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