



Thermafiber® SAFB™ Mineral Wool Insulation



Description

Thermafiber® SAFB™ (Sound Attenuation Fire Blankets) are mineral wool batts designed to provide acoustical control, thermal performance, 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 0.03% by volume |
| ASTM E 84/ CAN/ULC S102 | Flame Spread 0-5, 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

For recycled content and other sustainable product information, please contact Thermafiber, Inc. at 1-888-834-2371.

Technical Data

| Tested to ASTM C 518 | | |
|----------------------|---|------------------------------------|
| Actual Density | "k" @ 75° [24°C] BTU.in/hr. .sq. ft. °F | "R" value per inch of thickness*** |
| 2.5 pcf | 0.27 | 3.7 |
| 4.0 pcf | 0.23 | 4.3 |

***R = thickness divided by 'k'

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™ 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

| 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" - ⅛" | ±⅛" | ±½" |

*Thicknesses are available in ½" increments.

**15½" 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
- Excellent thermal performance
- 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)
- Conserves energy, reduces greenhouse gas emissions
- Mold-resistant
- Contributes to credits in several green building programs such as LEED® and Green Globes®

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 energy conservation and 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



Thermafiber®

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