



# **Thermafiber® SAFB™ FF** **Formaldehyde-Free** **Mineral Wool Insulation**



## **Description**

Thermafiber® SAFB™ (Sound Attenuation Fire Blankets) Formaldehyde-Free mineral wool insulation is a solution for architects, specifiers and contractors interested in achieving green building standards and using products that exclude red list materials like formaldehyde. Thermafiber® SAFB™ FF batts provide excellent acoustical control and fire protection in interior walls and floor/ceiling fire-rated assemblies and are non-combustible, moisture-resistant, non-corrosive, non-deteriorating, and mold-resistant<sup>4</sup>. The new formaldehyde-free Thermafiber® light density products are especially appropriate for applications in education, healthcare, and other institutions committed to indoor air quality. SAFB™ FF can be installed in both steel and wood framed construction.

1. Reference Cradle to Cradle Innovation Institution banned list and Living Building Challenge red list.

## **Standards, Codes Compliance**

<b>NFPA 101</b>	Class A rated interior finish
<b>ASTM C 665</b>	Type I, per Federal Specification HH-I-521F
<b>ASTM E 136</b>	Non-combustible as defined per NFPA Standard 220
<b>ASTM C 1104</b>	Absorbs less than 1% by volume
<b>ASTM E 84</b>	Flame Spread 0, Smoke Developed 0
<b>ASTM C 1338</b>	Complies
<b>UL Formaldehyde-Free</b>	Validated
<b>GreenGuard</b>	Gold certified

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<sup>2,3</sup>:

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

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

## **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.

\*\*15" 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](mailto:ThermafiberInsolutions@owenscorning.com).

## Features

- Formaldehyde-Free
- 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)
- Conserves energy, reduces greenhouse gas emissions
- Mold-resistant<sup>4</sup>
- Contributes to credits in several green building programs such as LEED<sup>®</sup> and Green Globes<sup>®</sup>

4. 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](http://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 \_\_\_\_\_



Made in the USA



Thermafiber<sup>®</sup> SAFB<sup>®</sup> FF is especially appropriate for applications with stringent requirements around indoor air quality including schools and health care facilities.

## Certifications and Sustainable Features

- <sup>3</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).
- GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg).
- UL Environment validated Formaldehyde-Free. For more information, visit [ul.com/ecv](http://ul.com/ecv).
- Gold Material Health Certificate from Cradle to Cradle Products Innovation Institute.
- Thermafiber<sup>®</sup> SAFB<sup>®</sup> FF mineral wool insulation is participating in Declare, and is Living Building Challenge compliant. For more information, visit [living-future.org/declare](http://living-future.org/declare).
- This product receives SAFETY Act designation by the U.S. department of Homeland Security. For more information visit [safetyact.gov](http://safetyact.gov).
- 86% biobased content for unfaced product and 64% biobased content for faced product, certified by USDA BioPreferred<sup>®</sup> program.

Declare.



**Thermafiber**

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