

Sound Control Insulation

Thermafiber® SAFB™

(Sound Attenuation Fire Blankets)

- + Exceptional sound and noise absorption
- + Excellent Thermal Performance (R-Value of 3.7 per inch)
- + Adds STC value to wall and floor-ceiling assemblies
- + Provides life saving fire protection in rated assemblies
- + Fire resistant to temperatures above 2,000°F (1,093°C)
- + Conserves energy, reduces greenhouse gas emissions
- + Mold Resistant

LEED® v2009 Green Building Credits

Minimum 70% Recycled Content ¹	Energy & Atmosphere	Materials & Resources	Indoor Environmental Quality	Innovation in Design
	1	2.1, 2.2 3.1, 3.2 4.1, 4.2 5.1, 5.2	9	1



Thermafiber SAFBs, FireSpan™, and Safing insulation contributed to the energy conservation, fire protection, and life safety of the #7 World Trade Center building in New York City. Thermafiber insulation also contributed to the building's LEED® Gold Rating.



Thermafiber SAFBs are installed into an interior steel stud wall cavity.

Thermafiber® SAFB™ (Sound Attenuation Fire Blankets)

Description:

THERMAFIBER Sound Attenuation Fire Blankets (SAFB) are mineral wool batts designed to stop sound, save energy, and provide life saving fire protection. These products are noncombustible, moisture-resistant, noncorrosive, nondeteriorating, mildew-proof and vermin-proof. Thermafiber® SAFBs provide acoustical control, thermal insulation, and fire protection in many different UL fire rated wall and floor-ceiling assemblies. SAFBs resist temperatures over 2000°F. SAFBs add STCs to wall and floor-ceiling assemblies. SAFBs can be installed in both steel stud and wood stud construction. See Thermafiber's SAFB Brochure (TF885) for more detail on STC and fire ratings for multiple wall and floor-ceiling assemblies.

Product Options:

Recycled Content Options¹:
 EPA Choice Fiber (US Government Buildings).....Minimum 75%
 Standard Fiber 70%
¹Recycled content options other than Standard must be specified at time of order.

- Standard SAFB™
- Creased SAFB – Made 1” wider than standard stud spacing to bow in the stud cavity for increased sound absorption.

Installation:

- Interior Stud Cavity – Friction fit SAFBs securely between studs. Butt ends of blankets closely together and fill all voids.
- Creased SAFB – Bow the blankets slightly to fit into stud cavity. Slit the blankets vertically 1” deep with a utility knife.
- Floor-Ceiling – Friction fit SAFBs securely between floor joists.
- Ceiling Overlayment – Lay SAFBs over ceiling panels extending 48” beyond all partitions. Tightly fit around all hangers, obstructions, and penetrations.

Standard Sizes:

	Thickness*	Widths***	Lengths
SAFB 2.5 pcf	1½” - 7”	15¼”, 16”, 17”, 23”, 24”, 25”	48”
SAFB 4.0 pcf**	1”	15¼”, 16”, 17”, 23”, 24”, 25”	48”
Tolerances	+1/4” - 1/8”	±1/8”	±1/2”
*Thicknesses are available in ½” increments. Custom sizes are available upon request			
**Non-Standard 4.0 pcf is available in thicknesses of 1 ½” – 7” upon special request			
***15 ¼” and 23” are recommended widths for wood stud construction			

Technical Data:

Product Designation	Nominal Density	Tested to ASTM C 518		Tested to ASTM E 84	
		“K” @ 75° [24°C] BTU.in/hr.sq. ft. °F	“R” value per inch of thickness**	Unfaced	Unfaced
SAFB	2.5 pcf	0.27	3.7	Flame Spread	Smoke Developed
SAFB	4.0 pcf	0.24	4.2	0	0

**R = thickness divided by 'k'

Acoustical Performance:

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

Standards Compliance:

SAFB™ Insulation meets the following:
NFPA 101 Class A rated interior finish
ASTM C 665 Type I, per Federal Specification HH-I-521F
ASTM E 136 Rated Non-combustible per NFPA Standard 220
ASTM C 1104 Absorbs less than 1% by volume

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)

Thermafiber 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 technicalservice@owenscorning.com.

For Further Information:

For additional information about these or other Thermafiber products contact us at 1-888-834-2371 or visit our website www.thermafiber.com.

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Submission Approvals:

Job Name	
Contractor	Date

