

Sound Control Insulation

Thermafiber® SAFB™

(Sound Attenuation Fire Blankets)

- + Exceptional sound and noise absorption
- + Excellent Thermal Performance (R-value of 3.8 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 and carbon emissions
- + Mold Resistant

LEED® Green Building Credits				
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	3.1, 3.2 9	1	

Up to **90%** Recycled Content

Contributes to 33 LEED credits across 4 categories.



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®
THE NAME IN MINERAL WOOL™



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 as compared to fiberglass insulation that melts around 1000°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:

Special "Green" Fiber	90%
EPA Choice Fiber (US Government Buildings).....	75%
Standard Fiber	70%
¹ Recycled 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.
- 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" - 6"	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"-6" 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	
				Unfaced	
		"K" @ 75° [24°C] BTU.in/hr.sq. ft. °F	"R" value per inch of thickness**	Flame Spread	Smoke Developed
SAFB	2.5 pcf	0.26	3.8	0	0
SAFB	4.0 pcf	0.24	4.2	0	0
**R = thickness divided by 'k'					

Acoustical Performance:

Coefficients at Frequencies Per ASTM 423								
	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
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 Insolutions™:

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 technicalservices@thermafiber.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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Submittal Approvals:



Job Name	
Contractor	Date