

Sound Control Insulation

Thermafiber® SoundZero®

- + Exceptional sound and noise absorption
- + Black fabric facing provides light controlling finished surface
- + High R-value helps conserve energy
- + Ideal for use on walls and ceilings
- + Easy to fabricate and install
- + 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 SoundZero is installed in multiplex movie theaters to absorb sound, control light, and conserve energy for an enhanced cinema experience.



Made in the USA



SoundZero's black fabric is smooth, durable, water repellent, flame resistant, and mold resistant to provide a long-lasting finished surface.

Thermafiber® SoundZero® Insulation

Description:

THERMAFIBER SoundZero® Fabric-Faced Interior Acoustical Blanket is a specially designed insulation blanket for use on exposed interior surfaces, such as the walls and/or ceilings of theaters, sound studios, auditoriums, conference halls, banquet halls, nightclubs, public concourses or other places where sound control or noise reduction is an important consideration. It also can be made into baffles or used in partition wall systems. SoundZero's smooth and rugged black fabric finish enables this product to be directly applied to exposed wall and ceiling surfaces.

Product Options:

- Type 1500 & 2000 are available in rolls.
- Type 3000 1" is available in rolls, 1.5" & 2" is packaged in flat pieces.

Installation:

- Measure surface to be covered and field cut using industrial shears or a sharp utility or carpet knife.
- If adhesively mounted, prepare surfaces following adhesive manufacturer's recommendations.
- If using impaling pins, it is recommended that pins be placed no further than 24" on center.
- Carefully position SoundZero® in place and embed into adhesive or fasten, or both.

Standard Sizes:

	Thickness*	Widths**	Lengths**
Type 1500	1"	48"	100 ft
Type 1500	1.5", 2"	48"	50 ft
Type 2000	1"	48"	100 ft
Type 2000	1.5", 2"	48"	50 ft
Type 3000	1"	48"	50 ft
Type 3000	1.5", 2"	48"	48", 96"

*Thicknesses are available in ½" increments. **Custom sizes are available upon request.

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***	Flame Spread	Smoke Developed
Type 1500	1.5 pcf	0.24	4.2	25	20
Type 2000	2.0 pcf	0.24	4.2	25	20
Type 3000	3.0 pcf	0.23	4.3	25	20

***R = Thickness divided by 'k'

Acoustical Performance:

SoundZero Type	Thickness	Coefficients at Frequencies Per ASTM C 423						
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1500 1.5 pcf Density	1"	0.16	0.31	0.64	0.85	1.00	0.87	0.70
	1.5"	0.26	0.45	0.82	0.94	0.98	0.94	0.80
	2"	0.22	0.60	0.94	0.99	1.07	1.01	0.90
2000 2.0 pcf Density	1"	0.08	0.24	0.58	0.76	0.86	0.95	0.60
	1.5"	0.17	0.41	0.82	0.93	0.95	0.96	0.80
	2"	0.25	0.61	1.00	1.05	1.01	1.04	0.90
3000 3.0 pcf Density	1"	0.07	0.25	0.67	0.87	0.94	0.97	0.70
	2"	0.30	0.73	1.11	1.10	1.05	1.01	1.00

Standards Compliance:

SoundZero® Insulation meets the following:

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|-------------------------|--|
| NFPA 259 | Pass, Combustibles |
| ASTM C 665 | Non-corrosive, Type II, Class A |
| ASTM C 1338 | Pass, Fungi Resistant |
| ASTM C 1304 | Pass, Odor Emission |
| ASTM G 22 | Pass, Bacteria Resistance |
| ASTM C 1104 | Absorbs less than 2% by volume |
| CAN/ULC S102-M88 | Flame Spread 25, Smoke Developed 20 |

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 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.

Notice:

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 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. Manufacturing: SoundZero is manufactured under private label for Thermafiber, Inc. by CTA Acoustics, Inc., Corbin, Kentucky, USA. CTA Acoustics, Inc. is an ISO 9001-2001 and QS 9000 certified facility.

Submittal Approvals:

Job Name	
Contractor	Date

