Fire Containment Insulation

ThermaÞber¨ SaÞngª

- Exceptional performance in Perimeter Fire Containment Systems
- Provides life saving Þre protection in rated assemblies
- Fire resistant to temperatures above 2,000¡F (1,093¡C)
- Easy to fabricate for through penetrations and Þrestopping
- Conserves energy, reduces Greenhouse gas and carbon emissions
- Resists moisture
- Controls noise and sound

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

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Contributes to 33 LEED credits across 4 categories.

ThermaÞber SaÞng and FireSpanª insulation provide the critical components of the perimeter Þre containment system in the 111 South Wacker Building in Chicago, IL. ThermaÞber insulation also contributed to the buildingÕs LEED¨ Gold Rating.

Thermafiber®
THE NAME IN MINERAL WOOL™

Made in the USA

ThermaÞber SaÞng is compression Þtted between FireSpan insulation and the concrete slab edge to create a perimeter Þre containment system.

Thermafiber® Safing

Description:

THERMAFIBER SaÞng products are designed to provide life saving Þre protection in perimeter Þre containment systems, ßoor and wall penetrations, construction joints, and other Þrestopping applications. These products are noncombustible, moisture-resistant, noncorrosive, nondeteriorating, mildew-proof and vermin-proof. ThermaÞber SaÞng provides thermal insulation, Þre protection, and acoustical control in many different UL and Intertek (formerly OPL) listed Þre containment assemblies of 1, 2, and 3-hr ratings.

Product Options:

- ¥ SaÞng 4.0 pcf, 2Ó or greater thickness, is available with or without a vapor retarding foil facing.
- ¥ SaÞng 6.0 pcf, 1.5Ó or greater thickness, is available with or without a vapor retarding foil facing.
- ¥ Recycled Content Options[1]:
  - Special ÒGreenÓ Fiber 90%
  - EPA Choice Fiber (US Government Buildings) 75%
  - Standard Fiber 70%

[1]Recycled content options other than standard must be speciÞed at time of order.

Installation:

All Þrestopping insulation should be installed per the architectural speciÞcation or system speciÞc test description. All compressed SaÞng insulation should be installed per the listed assembly.

- ¥ Perimeter Installation: SaÞng insulation should be compression Þtted between the slab edge and the FireSpan curtain wall insulation, leaving no voids.
- ¥ Penetration Application: SaÞng insulation should be cut slightly larger than the opening and compression Þtted into the opening, leaving no voids.
- ¥ Construction Joint Application: SaÞng insulation should be compression Þtted into the joint opening, leaving no voids.

Standard Sizes:

	Thickness*	Widths**	Lengths**
SaÞng 4.0 pcf	1Ó- 6Ó	16Ó, 24Ó, 36Ó	48Ó, 60Ó
SaÞng 6.0 pcf	1Ó- 6Ó	16Ó, 24Ó, 36Ó	48Ó, 60Ó
Tolerances	+1/4Ó - 1/8Ó	±1/8Ó	±1/2Ó

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

Technical Data:

		Tested to ASTM C 518		Tested to ASTM E 84			
				Unfaced		Foil Faced	
Product Designation	Actual Density	ÒkÓ @ 75¡ [24¡C] BTU.in/hr.sq. ft. ¡F	ÒRÓ value per inch of thickness***	Flame Spread	Smoke Developed	Flame Spread	Smoke Developed
SaÞng	4.0 pcf	0.24	ÔRÕ= 4.2	0	0	25	0
SaÞng	6.0 pcf	0.24	ÔRÕ= 4.2	0	0	25	0

***R = thickness divided by ÔkÕ

Fire-Containment Tests Per ASTM E 2307

SaÞng insulation is a critical component of any perimeter Þre containment system. ThermaÞber has performed decades of testing in all of the containment systems listed below. For more complete test information, see SA707, THERMAFIBER Life-Safety Fire Containment Systems technical catalog or UL and Intertek (formerly OPL) Directories. For a full listing of containment systems visit www.thermaÞber.com and click on Fire Rated Assemblies. UL Reference = TYPE SAF

- ¥ Aluminum Spandrel Curtain Wall Fire Containment
- ¥ Steel Stud-Framed/Gypsum Sheathing Curtain Wall Fire Containment
- ¥ Glass Spandrel Curtain Wall Fire Containment
- ¥ Granite Spandrel Curtain Wall Fire Containment
- ¥ Precast Concrete Spandrel

Standards Compliance:

SaÞng Insulation meets the following:

ASTM C 665	**Non-corrosive, Type I, III**
ASTM C 612	**Type IA, IB, II**
ASTM E 136	**Rated Non-combustible per NFPA Standard 220**
ASTM E 96	**Unfaced, 50 Perms as tested**
ASTM E 96	**Foil Faced, 0.02 Perms as tested**
ASTM C 1104	**Absorbs less than 1% by volume**
ASTM E 814 or UL 1479	**Safing Insulation used in conjunction with an approved fill, void, or cavity material sealant or other approved material in through – penetration firestop systems.**
UL 2079	**Safing Insulation used in conjunction with an approved fill, void or cavity material in construction joint systems**

SaÞng products are approved by: New York City Board of Standards & Appeals Ð (under BSA 39-74-SM & accepted by MEA-209-82-M, Vol. 4).

Thermafiber Insolutions®:

ThermaÞber offers industry leading technical and engineering assistance to architects, speciÞers, and contractors. These services include CAD drawings, engineering judgments, LEED® Credit Information, product recommendations, and customized products. Contact our technical services department at 1-888-834-2371, or email technicalservices@thermaÞber.com.

For Further Information:

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

Notice:

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Submittal Approvals:

Job Name	
Contractor	Date

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