



THERMAFIBER® INSUL-FILL® SIDE WALL SPRAY INSULATION

Thermafiber® INSUL-FILL® side wall spray insulation is a time- and labor-saving solution providing easy installation into walls and cavities. It is applied before drywall enclosure and takes advantage of the rapid and trouble-free spray-in-place method that is a simple modification for the typical blowing process. It offers excellent R-value and sound absorption through walls.

Description

Thermafiber® INSUL-FILL® side wall spray mineral wool insulation is a specially formulated insulation that can be combined with a separate water/latex adhesive solution at the point of insertion to provide:

1. a method of attachment to framing members and the back side of the wall and
2. a fiber-to-fiber bond that, when installed properly, eliminates settling and sag.

Features

- Energy-saving thermal insulation¹
- Fire-resistant
- Provides additional sound control
- Easy installation
- Minimum 70% recycled content²
- 30-lb bags (13.61 kg); palletized at 48 bags per pallet for truckload shipment, or 28 bags per pallet for LTL shipping.

¹ Savings vary. See Owens Corning publication Thermafiber® INSUL-FILL® Insulation Attic Card and Manufacturers Fact Sheet (Pub. No. 10021305) for more information.

Technical Data³

Thermafiber® INSUL-FILL® side wall spray mineral wool insulation is installed in open-wall areas using pneumatic equipment, and a separate adhesive will provide insulation-resistance (R) values at weights and coverages shown below.³

R-VALUE ⁴ (AT MEAN TEMPERATURE AT 75°F)	MINIMUM THICKNESS (INCHES)	MAXIMUM NET COVERAGE	WEIGHT PER SQ. FT.	BAGS PER 1,000 SQ. FT.
13.1	3 1/2	25.7	1.17	38.9
13.5	3 5/8	24.8	1.21	40.3
20.5	5 1/2	16.4	1.83	61.1
21.0	5 5/8	16.0	1.88	62.5
27.0	7 1/4	12.4	2.42	80.6
34.5	9 1/4	9.7	3.08	102.8
42.0	11 1/4	8.0	3.75	125.0

³ Above side wall spray insulation coverage information is based on an installed density of 4.0 lbs/cu. ft. Results may vary based on machine type, settings, and adhesive. Values are based on a known thermal conductivity at a specific installed density for a 30-lb. bag of material. Actual field conditions may affect performance.

⁴ R-value is a measure of insulating ability. "R" means resistance to heat flow. The higher the "R" value, the greater the insulation power. R-value varies by density.

Installation

Caulk all framing abutments, windows, and door placements. Seal or fill any areas that cannot be adequately reached with the side wall spray insulation with acceptable firestopping material. Prepare adhesive mixture according to manufacturer's recommendations. Install Thermafiber® INSUL-FILL® side wall spray insulation into stud cavities open on one side, using specified pneumatic equipment with an auxiliary pump, spray lines, and spray nozzles designed to uniformly add adhesive to the mineral wool. Begin installation at lower plate and apply to all corners of the cavity, then fill entire cavity, spraying up and down until filled.

See Owens Corning publication Thermafiber® INSUL-FILL® Insulation Attic Card and Manufacturers Fact Sheet (Pub. No. 10021305) for insulation installation certification.

Base Product Description

Thermafiber® INSUL-FILL® mineral wool loosefill insulation is the base material used for side wall installation. The technical data and certifications below are for the INSUL-FILL® insulation only. This information is not for product as installed (or after combination with adhesive).

Physical Properties

PROPERTY	TEST METHOD	VALUE
Non-Combustibility	ASTM E136	Complies
Surface Burning Characteristics	ASTM E84	Flame Spread 0 Smoke Developed 5
Corrosion of Steel, Aluminum, and Copper	ASTM C665	Pass
Water Vapor Sorption	ASTM C1104	Sorption less than 1% by volume

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.

Certifications and Sustainable Features (Insulation Only – does not include adhesive)

- ²Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at icc-es.org.
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information, visit ul.com/epd.



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Disclaimer of Liability

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Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

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