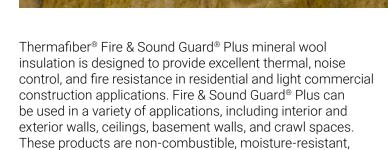


THERMAFIBER® FIRE & SOUND GUARD® PLUS MINERAL WOOL INSULATION



Tested per ASTM C1338, Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings, ASTM International.

non-corrosive, non-deteriorating, and mold-resistant.1







Features

- · Designed for interior and exterior wall applications
- Energy-saving thermal insulation²
- Exceptional sound and noise absorption
- Fire-resistant
- · Easy to install
- 2 Savings vary. Find out why in the seller's fact sheet on R-values. Higher R-values mean greater insulating power.

Standards, Codes Compliance

- · NFPA 101, Class A-rated interior finish
- ASTM C665, Mineral Fiber Thermal Insulation for Buildings, Type 1 Compliant

Physical Properties

PROPERTY	TEST METHOD	VALUE
Corrosion of Steel, Aluminum, and Copper	ASTM C665	Complies
Non-Combustibility	ASTM E136	Complies
Non-Combustibility	CAN/ULC S114	Complies
Water Vapor Permeance	ASTM E96	Unfaced, 50 perms as tested
Water Vapor Sorption	ASTM C1104	Sorption less than 1% by volume
Surface Burning Characteristics	ASTM E84	Unfaced, Flame Spread 0, Smoke Developed 0
Surface Burning Characteristics	CAN/ULC S102	Unfaced, Flame Spread 0, Smoke Developed 0
Fungi Resistance	ASTM C1338	Complies

Installation

- Measure & cut Fire & Sound Guard® Plus insulation is easy to cut with a serrated knife for custom fitting around electrical boxes, pipes, duct-work, wiring, or between non-standard studs and joists.
- **Squeeze & insert** Fire & Sound Guard® Plus insulation is flexible and pliable; simply squeeze the sides to compress the insulation and insert into the desired wall.
- Release & expand Once in place, Fire & Sound Guard® Plus insulation naturally expands to fill in the space, creating a snug, custom fit.

Availability

	R-VALUE ³	SIZES	PIECE/BAG	SQ FT./BAG	
Wood Stud Applications	R-11	3" x 15" x 47"	10	48.96	
		3" x 23" x 47"	8	60.06	
	R-13	3.5" x 15" x 47"	8	39.20	
		3.5" x 23" x 47"	8	60.06	
	R-15	3.5" x 15" x 47"	8	39.20	
		3.5" x 23" x 47"	8	60.06	
	R-21	5.5" x 15" x 47"	6	29.37	
		5.5" x 23" x 47"	6	45.04	
	D 00	5.5" x 15" x 47"	5	24.48	
	R-23	5.5" x 23" x 47"	5	37.53	
	R-30	7.1" x 15" x 47"	3	14.70	
		7.1" x 23" x 47"	3	22.50	
	R-10	2.5" x 16" x 48"	8	42.70	
		2.5" x 24" x 48"	8	64.00	
	R-11	3" x 16" x 48"	10	53.33	
		3" x 24" x 48"	8	64.00	
	D.10	3.5" x 16" x 48"	8	42.67	
Steel Stud Applications	R-13	3.5" x 24" x 48"	8	64.00	
		3.5" x 16" x 48"	8	42.67	
	R-15	3.5" x 24" x 48"	8	64.00	
		5.5" x 16" x 48"	6	32.00	
	R-21	5.5" x 24" x 48"	6	48.00	
		6" x 16" x 48"	4	21.30	
	R-24	6" x 24" x 48"	4	32.00	

³ R-value is a measure of insulating ability. "R" means resistance to heat flow. The higher the "R" value, the greater the insulation power.

Product Options

 Available in standard widths for both wood and steel stud framing.

Recycled Content Options4:

•	EPA Choice Fiber	
	(U.S. Government Buildings)Minimum	75%
	Ot	700/

Formaldehyde-free product available. See Owens Corning publication "Thermafiber® Fire & Sound Guard® Plus Formaldehyde-Free Mineral Wool Insulation Data Sheet" (Pub. No. 10025220) for more information.

Acoustical Performance

		COEFFICIENTS AT FREQUENCIES PER ASTM C423						
PRODUCT	THICKNESS	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
R-10	2.5"	0.33	1.05	1.24	1.16	1.07	1.01	1.15
R-11	3"	0.51	0.99	1.18	1.03	0.99	0.96	1.05
R-13	3.5"	0.39	1.15	1.22	1.13	1.07	1.01	1.15
R-15	3.5"	0.51	1.28	1.21	1.13	1.07	1.03	1.15
R-21	5.5"	0.76	1.33	1.17	1.11	1.04	1.01	1.15
R-23	5.5"	0.71	1.26	1.14	1.10	1.04	1.02	1.15
R-24	6.0"	0.74	1.19	1.10	1.12	1.06	1.05	1.10
R-30	7.125"	0.79	1.15	1.15	1.10	1.07	1.04	1.10

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

- Verified 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.
- Fire & Sound Guard(R) Plus products have a published Health Product Declaration (HPD).







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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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⁴ Recycled content options other than standard must be specified at time of order.