



# THERMAFIBER® FIRE & SOUND GUARD® PLUS MINERAL WOOL INSULATION

Thermafiber® Fire & Sound Guard® Plus mineral wool insulation is designed to provide excellent thermal, noise control, and fire resistance in residential and light commercial construction applications. Fire & Sound Guard® Plus can be used in a variety of applications, including interior and exterior walls, ceilings, basement walls, and crawl spaces. These products are non-combustible, moisture-resistant, non-corrosive, non-deteriorating, and mold-resistant.<sup>1</sup>

<sup>1</sup> Tested per ASTM C1338, Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings, ASTM International.



## Features

- Designed for interior and exterior wall applications
- Energy-saving thermal insulation<sup>2</sup>
- Exceptional sound and noise absorption
- Fire-resistant
- Easy to install

<sup>2</sup> 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 <sup>3</sup>	SIZES	PIECE/BAG	SQ FT./BAG
Wood Stud Applications	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
	R-23	5.5" x 15" x 47"	5	24.48
		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
Steel Stud Applications	R-10	2.5" x 16" x 48"	8	42.70
		2.5" x 24" x 48"	8	64.00
	R-13	3.5" x 16" x 48"	8	42.67
		3.5" x 24" x 48"	8	64.00
	R-15	3.5" x 16" x 48"	6	32.00
		3.5" x 24" x 48"	6	48.00
	R-21	5.5" x 16" x 48"	6	32.00
		5.5" x 24" x 48"	6	48.00
	R-24	6" x 16" x 48"	4	21.30
		6" x 24" x 48"	4	32.00

<sup>3</sup> 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 Options<sup>4</sup>:

- EPA Choice Fiber (U.S. Government Buildings)..... Minimum 75%
- Standard Fiber .....70%

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.

<sup>4</sup> Recycled content options other than standard must be specified at time of order.

## Acoustical Performance

PRODUCT	THICKNESS	COEFFICIENTS AT FREQUENCIES PER ASTM C423						
		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-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](http://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](http://icc-es.org).
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information, visit [ul.com/epd](http://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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