



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, noncorrosive, nondeteriorating, and mold-resistant.¹

¹ 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 insulation²
- Exceptional sound and noise absorption
- Fire-resistant to temperatures above 2,000°F (1,093°C)
- 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 | Non-combustible as defined per NFPA Standard 220 |
| 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 | R13 | 3.5" x 15" x 47" | 8 | 39.20 |
| | | 3.5" x 23" x 47" | 8 | 60.06 |
| | R15 | 3.5" x 15" x 47" | 8 | 39.20 |
| | | 3.5" x 23" x 47" | 8 | 60.06 |
| | R21 | 5.5" x 15" x 47" | 6 | 29.37 |
| | | 5.5" x 23" x 47" | 5 | 37.53 |
| | R23 | 5.5" x 15" x 47" | 5 | 24.48 |
| | | 5.5" x 23" x 47" | 4 | 30.30 |
| | R30 | 7.1" x 15" x 47" | 3 | 14.70 |
| | | 7.1" x 23" x 47" | 3 | 22.50 |
| Steel Stud Applications | R10 | 2.5" x 16" x 48" | 8 | 42.70 |
| | | 2.5" x 24" x 48" | 8 | 64.00 |
| | R15 | 3.5" x 16" x 48" | 6 | 32.00 |
| | | 3.5" x 24" x 48" | 6 | 48.00 |
| | R24 | 6" x 16" x 48" | 4 | 21.30 |
| | | 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
- Non-standard thicknesses and sizes are available upon special request

Recycled Content Options⁴:

- EPA Choice Fiber (U.S. Government Buildings)..... Minimum 75%
- Standard Fiber70%

⁴ 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 |
| R10 | 2.5" | 0.33 | 1.05 | 1.24 | 1.16 | 1.07 | 1.01 | 1.15 |
| R13 | 3.5" | 0.39 | 1.15 | 1.22 | 1.13 | 1.07 | 1.01 | 1.15 |
| R15 | 3.5" | 0.51 | 1.28 | 1.21 | 1.13 | 1.07 | 1.03 | 1.15 |
| R21 | 5.5" | 0.76 | 1.33 | 1.17 | 1.11 | 1.04 | 1.01 | 1.15 |
| R23 | 5.5" | 0.71 | 1.26 | 1.14 | 1.10 | 1.04 | 1.02 | 1.15 |
| R24 | 6.0" | 0.74 | 1.19 | 1.10 | 1.12 | 1.06 | 1.05 | 1.10 |
| R30 | 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

- ³Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at icc-es.org.



Made in the USA

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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>.

OWENS CORNING INSULATING SYSTEMS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OH 43659 USA

1-800-GET-PINK®
www.owenscorning.com