



# THERMAFIBER® FIRE & SOUND GUARD™ MINERAL WOOL INSULATION

Thermafiber® Fire & Sound Guard™ mineral wool insulation batts are designed to provide exceptional acoustic control and fire protection in interior walls as well as floors and ceilings in residential and light commercial construction applications. Fire & Sound Guard™ is fire-resistant to temperatures above 2,000°F, allowing additional time to exit the structure in the event of a fire. Fire & Sound Guard™ is available for wood and steel construction.

## Features

- Exceptional sound and noise absorption
- Excellent thermal performance
- Fire-resistant to temperatures above 2,000° F (1,093° C)
- Conserves energy, reduces greenhouse gas emissions
- Mold-resistant<sup>1</sup>
- Minimum 70% recycled content<sup>2</sup>
- Contributes to credits in several green building programs, such as LEED® and Green Globes®

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

## Standards, Code Compliance

- NFPA 101, Class A-rated interior finish

## Physical Properties

PROPERTY	TEST METHOD	VALUE
Non-Combustibility	ASTM E136	Complies
Non-Combustibility	CAN/ULC S114	Complies
Water Vapor Sorption	ASTM C1104	Sorption less than 1% by volume
Surface Burning Characteristics	ASTM E84	Flame Spread 0, Smoke Developed 0
Surface Burning Characteristics	CAN/ULC S102	Flame Spread 0, Smoke Developed 0
Fungi Resistance	ASTM C1338	Complies

## Acoustical Performance

NOISE REDUCTION COEFFICIENTS AT FREQUENCIES PER ASTM C423

THICKNESS	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
2"	0.34	0.61	1.07	1.09	1.07	1.10	0.95
3"	0.51	0.99	1.18	1.03	0.99	0.96	1.05
4"	0.83	1.19	1.27	1.12	1.12	1.13	1.20
6"	1.37	1.32	1.23	1.16	1.12	1.12	1.20

## Availability

THICKNESS <sup>3</sup>	WIDTHS <sup>4</sup>	LENGTHS	APPLICATION
3"	15"	47"	wood
3"	16"	48"	steel
3"	23"	47"	wood
3"	24"	48"	steel

<sup>3</sup> FPO.  
<sup>4</sup> FPO.

## Installation

- Interior Stud Cavity – Friction-fit Fire & Sound Guard™ securely between studs. Butt ends of blankets closely together and fill all voids.
- Floor-Ceiling – Friction-fit Fire & Sound Guard™ securely between floor joints.

## Product Options

- Recycled Content Options<sup>2,5</sup>:
  - EPA Choice Fiber (U.S. Government Buildings) .....Minimum 75%
  - Standard Fiber .....70%

<sup>5</sup> Recycled content options other than standard must be specified at time of order.

## 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

- <sup>2</sup>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).



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Green Globes® is a registered trademark of Green Building Initiative, Inc.

## 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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