



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.¹

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



Features

- Enhances thermal performance
- Exceptional sound and noise absorption
- Adds STC value to wall and floor-ceiling assemblies
- Fire-resistant
- Minimum 70% recycled content¹
- Mold-resistant²
- Contributes to credits in several green building programs, such as LEED® and Green Globes®

¹ See ICC-ES Evaluation Report VAR-1025 at icc-es.org.

² Tested per ASTM C1338, Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings, ASTM International.

Standards, Codes Compliance

- CAN/ULC-S702, Standard for Mineral Fiber Thermal Insulation for Buildings
- NFPA 101, Class A-rated interior finish
- CAN/ULC-S124, Standard Method of Test for the Evaluation of Protective Coverings for Foamed Plastic, QAI Design B1079-1a.

Performance Criteria

COMPLIANCE	CCMC Evaluation Listing No. 14059-L Type 1	CCMC CAN/ULC-S702
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Additional Performance Information

PROPERTY	VALUE	TEST METHOD
Corrosion of Steel, Aluminum, and Copper	Non-corrosive	ASTM C665
Non-Combustibility	Non-combustible	CAN/ULC-S114
	Complies	ASTM E136
Water Vapor Sorption	Sorption less than 1% by volume	ASTM C1104
Surface Burning Characteristics	Flame Spread 0, Smoke Developed 0	CAN/ULC-S102
	Flame Spread 0, Smoke Developed 0	ASTM E84
Smoulder Resistance - Mean Mass Loss	≤ 0.2%	CAN/ULC-S129
Fungi Resistance	Complies	ASTM C1338
Protective Coverings for Foamed Plastics	Class A - min. R22 138mm (5.5") thickness Class B - min. R14 89mm (3.5") thickness	CAN/ULC-124

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

	THERMAL RESISTANCE		SIZES		PIECES /BAG	COVERAGE/ BAG	
	RSI	R-VALUE	MM	INCH		SQ. M.	SQ. FT.
Wood Stud Applications	2.4	R-14	89x381x1194	3.5"x15"x47"	8	3.64	39.17
			89x584x1194	3.5"x23"x47"	8	5.58	60.06
	3.9	R-22	140x381x1194	5.5"x15"x47"	5	2.27	24.48
			140x584x1194	5.5"x23"x47"	4	2.79	30.03
	4.9	R-28	184x381x1194	7.25"x15"x47"	3	1.36	14.69
			184x584x1194	7.25"x23"x47"	3	2.09	22.52
	5.6	R-32	203x381x1194	8.0"x15"x47"	3	1.36	14.69
			203x584x1194	8.0"x23"x47"	3	2.09	22.52
Steel Stud Applications	2.4	R-14	89x406x1219	3.5"x16"x48"	8	3.96	42.67
			89x610x1219	3.5"x24"x48"	8	5.95	64.00
	4.0	R-22.5	152x406x1219	6.0"x16"x48"	5	2.48	26.67
			152x610x1219	6.0"x24"x48"	4	2.97	32.00
	4.2	R-24	152x406x1219	6.0"x16"x48"	5	2.48	26.67
			152x610x1219	6.0"x24"x48"	4	2.97	32.00
	5.6	R-32	203x406x1219	8.0"x16"x48"	3	1.49	16.00

Acoustical Performance

THERMAL RESISTANCE		THICKNESS		TESTED TO ASTM C423 SOUND ABSORPTION COEFFICIENTS AT OCTAVE BAND CENTER FREQUENCIES (HZ)						
RSI	R-VALUE	MM	INCH	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
2.4	R-14	89	3.5"	0.43	1.25	1.28	1.16	1.15	1.26	1.20
3.9	R-22	140	5.5"	0.76	1.34	1.21	1.15	1.08	1.07	1.20
4.0	R-22.5	152	6.0"	0.71	1.33	1.18	1.13	1.04	1.05	1.15
4.2	R-24	152	6.0"	0.75	1.26	1.14	1.11	1.06	1.06	1.15
4.9	R-28	184	7.25"	0.81	1.21	1.17	1.11	1.07	1.08	1.15
5.6	R-32	203	8.0"	0.81	1.10	1.15	1.10	1.04	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.ca or www.owenscorninglibrary.ca.

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® Plus products have a published Health Product Declaration (HPD).



Technical Services Available

For Canadian Technical inquiries, please contact our technical team at www.owenscorning.ca/contacttech.

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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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