ECOTOUCH® CERTIFIED R METAL BUILDING INSULATION

Owens Corning® EcoTouch® Certified R Metal Building Insulation is a light-density fibrous glass blanket. EcoTouch® Certified R is labeled with both a pre-laminated and post-laminated R-value. Standard roll widths are 36", 48", 60" and 72". Made-to-order widths are also available in 2" increments (i.e. even numbers).

Features

- Certified thermal performance
- Excellent recovery provides outstanding thermal and acoustical performance
- Contains an average of 63% recycled content
- GREENGUARD Gold Certified
- Easy to handle and laminate

Standards, Codes Compliance

- ASTM C991, Standard Specification for flexible fibrous glass Insulation for metal buildings; Type I.
- NAIMA 202-96 (Rev. 2000) Standard for flexible fiberglass insulation to be laminated for use in metal buildings.
- Complies to the Class A or Class 1 Rating for Surface Burning per ASTM E84 or UL 723.

Product Applications

Owens Corning® EcoTouch® Certified R Metal Building Insulation is used as part of the insulation system in the roofs and side walls of metal buildings. It is designed to be laminated with a variety of facings to provide attractive interior finishes, abuse resistance, and assistance in the control of moisture. It can also be used when unfaced insulation is required in metal building roof and wall systems.

Availability

Owens Corning® EcoTouch® Certified R Metal Building Insulation is fabricated and distributed by a nationwide network of independent laminators assuring prompt service and delivery. Contact your Owens Corning Sales Representative for the names of insulation laminators servicing your area.

Physical Properties

PROPERTY	TEST METHOD	VALUE		
Thermal Resistance	ASTM C177/ C518	Thickness	Pre-lam.	Post-lam.
		3.4"	R-10.8	R-10
		3.7"	R-11.9	R-11
		4.3"	R-14.1	R-13
		5.3"	R-17.3	R-16
		6.3"	R-20.6	R-19
		6.7"	R-22.7	R-21
		8.0"	R-27.1	R-25
		9.25"	R-32.5	R-30
Surface Burning[1]	ASTM E84 / UL7231 CAN/ULC S102	Flame spread index < 25 Smoke developed index < 50		
Combustion Characteristics	ASTM E136 CAN/ULC S114	Non-combustible		
Water Vapor Sorption	ASTM C1104 / C1104M	≤ 0.2% by volume		
Fungi Resistance	ASTM C1338	Meets Requirements		
Corrosion	ASTM C1617	Meets Requirements		
Odor Emission	ASTM C1304	Meets Requirements		
Dimensional Tolerances	ASTM C167	Length, - 0" / + 2' Width, - ¼" / + ¼"		

1 The surface burning characteristics of these products have been determined in accordance with UL 723, ASTM E84, or CAN/ULC-S102. Values are reported to the nearest 5 rating.

Installation

Several methods are used to insulate metal buildings. The usual method is to apply the insulation over the structural members (purlins and girts) and inside the exterior panels. This method generally accommodates single-layer installations. Methods are also available to apply insulation between purlins so as to accommodate greater insulation thicknesses and better thermal performance.

Certifications and Sustainable Features

- Certified by SCS Global Services to contain a minimum of 63% recycled glass content, 23% pre-consumer and 40% post-consumer.
- GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

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.

Disclaimer of Liability

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GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

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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