



Description

Owens Corning Metal Building Insulation is a light-density fibrous glass blanket intended to be laminated with appropriate facings. It is available from laminators in rolls.

Uses

Owens Corning Metal Building Insulation is made specifically for use in the roofs and side walls of metal buildings. It is designed to be faced with a choice of finishes to provide attractive interiors, abuse resistance and assistance in control of moisture or vapor condensation.

Thermal Resistance

Thickness		R	RSI
inches	mm		
1½*	38	5.2	0.92
2*	51	6.9	1.22
2½*	64	8.4	1.48
3	76	10.0	1.76
3½	89	12.0	2.11
4	102	13.5	2.38
5	127	16.5	2.91
6	152	20.0	3.52

* Bisected (supplied in two layers)

Application

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 insulations. Methods are also used to apply insulation in metal building roofs between purlins so as to accommodate greater insulation thicknesses and better thermal performance. In some cases, two insulation layers are necessary or desirable.

Availability

Owens Corning Metal Building Insulation products are fabricated and distributed by a nationwide network of independent laminators assuring prompt service and delivery. Contact your local Owens Corning sales representative for more information about metal building insulation products and services or for the names of insulation laminators servicing your area.

Limitations

The thermal performance of Owens Corning Metal Building Insulation is reduced when the material is installed in a wet or compressed condition. In order to assure thermal performance the insulation should be packaged, stored, installed and maintained in a dry condition. Stated R-values apply to insulation materials only as delivered to Owens Corning's immediate customer. Owens Corning assumes no liability for the thermal performance of material which has subsequently been reprocessed or faced by a laminator.

Facings

Several facings are available from metal building insulation laminators. Facings should be selected for their finished appearance, vapor retardance and surface durability properties. Scrim reinforcement provides strength, durability and installation ease. Foil-scrim-kraft tends to wrinkle during installation. Vinyl reinforced polyester provides a smooth finished appearance. Consult our metal building insulation laminators for additional information.

Physical Property Data

Property	Test Method	Value
Moisture absorption	ASTM C 553	less than 1.0% by volume
Bacteria and fungus	ASTM C 665	provides no sustenance
Fire hazard classification	CAN4 S102 unfaced	Flame spread: 25*
Complies with	CAN/CGSB 51.11 – 92 Type 1	

* The surface burning characteristics of these products have been determined in accordance with CAN4 S102 standard. This standard should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 rating.



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OWENS CORNING WORLD HEADQUARTERS

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