



INNOVATIONS FOR LIVING®

Metal Building Insulation for Canada

Product Data Sheet



Typical Physical Properties

Property	Test Method	Value
Noncombustible	CAN/ULC-S114	Meets max temp rise, no flaming and max mass loss criteria
Corrosiveness	ASTM C 665	No corrosion significantly greater than sterile cotton
Smoulder Resistance	CAN/ULC-S129	Mean mass loss <2% Individual mass loss <3%
Fungi Resistance	ASTM C 1338	No growth greater than comparative item
Fire Hazard Classification	CAN/ULC-S102	
Flame Spread Max ¹		25
Smoke Developed Max ¹		50

¹The surface burning characteristics of these products have been determined in accordance with the CAN/ULC-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 for unfaced product.

Description

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

Uses

This product 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 condensation control.

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. An alternate method is to apply insulation between metal building roof purlins to accommodate greater insulation thicknesses and provide increased thermal performance. In some cases, two insulation layers are necessary or desirable.

Thermal Resistance

Thickness		R-Value	RSI-Value
inches	mm		
2 ¹	51	7.0	1.23
3.4	86	10.0	1.76
3.7	94	12.0	2.11
4.3	109	13.5	2.38
5.3	135	16.5	2.91
6.3	160	20.0	3.52

¹Sold as utility blanket

Availability

Products are fabricated and distributed by a network of independent laminators to assure 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.

Specification Compliance

- CAN/ULC-S702 Standard for Mineral Fibre Thermal Insulation for Buildings - Type I

Limitations

The thermal performance of Owens Corning Metal Building Insulation for Canada 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.



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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.



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