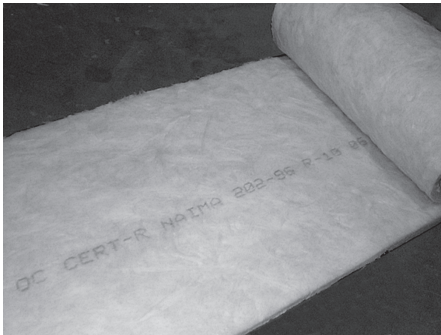




INNOVATIONS FOR LIVING®

# Certified R Metal Building Insulation

## Product Data Sheet



- R-10, 3.4"     R-25, 8.0"
- R-11, 3.7"     R-30, 9.25"
- R-13, 4.3"
- R-16, 5.3"
- R-19, 6.3"

### Description

Owens Corning Certified R Metal Building Insulation is a light density fibrous glass blanket designed to be laminated with a variety of appropriate facings. Certified R is available in standard R-values of 10, 11, 13, 16, 19, 25 and 30. Standard roll widths are 36", 48", 60" and 72". Selected Made-to-Order widths are also available. The product complies with the North American Insulation Manufacturers Association (NAIMA) Standard 202-96 (Rev. 2000) "Standard for Flexible Fiber Glass Insulation Used in Metal Buildings".

### Uses

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 control of moisture.

### 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 installations. Methods are also available to apply insulation between purlins so as to accommodate greater insulation thicknesses and better thermal performance.

### Availability

Owens Corning Certified R Metal Building Insulations are fabricated and distributed by a nation wide network of independent laminators assuring prompt service and delivery. Contact your Owens Corning Sales Representative for the names of insulation laminators servicing your area.

### Certified Thermal Performance

Owens Corning Certified R Metal Building Insulation is regularly tested to ensure compliance to the NAIMA 202-96 (Rev. 2000) Standard. Sampling and testing

is performed by the National Association of Home Builders Research Laboratories (NAHBR). The product is labeled on the top surface of each roll with the nominal R-value and the "NAIMA 202-96" (Rev. 2000) to indicate compliance. The NAIMA 202-96 (Rev. 2000) standard specifies thermal performance which provides the capability of obtaining nominal thermal resistance (R-values) after laminating. The actual thermal performance obtained from the laminated product will depend primarily on the recovered thickness. Note that these nominal R-values are for the insulation only and do not include the effects of facings, air films, compression of insulation at framing members, conductance through fasteners, or other heat transfer paths particular to an installation. The recovered thickness achieved will depend on a number of variables determined in the laminating process and hence are outside of Owens Corning's control. To address these issues, a number of leading metal building insulation laminators produce products which meet the

### Physical Property Data

Property	Test Method	Result
Moisture Absorption	ASTM C 1104	<2% by weight
Fungi Resistance	ASTM C 1338	provides no sustenance
Fire Hazard Classification	UL 723  ASTM E 84, CAN/ULC S-102	FHC 25/50
Noncombustibility	ASTM E 136	Noncombustible

<sup>1</sup>The surface burning characteristics of these products have been determined in accordance with UL 723. 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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National Insulation Association's "Certified Faced Insulation Standard" (NIA 404). Samples of faced products are periodically tested by a nationally recognized laboratory and determined to meet the NIA standard.

### Specification Compliance

- NAIMA 202-96 (Rev. 2000)  
Standard for Flexible Fiber Glass Insulation Used in Metal Buildings
- ASTM C 991-03 Type I, Flexible Glass Fiber Insulation for Metal Buildings



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