If your insulation doesn't carry this label, you're carrying the wrong insulation.

Introducing the industry's first post-lamination R-value certification. From Therm-All.

If you can't find this label on your insulation, then the R-value you're installing was established prior to the rigors of the lamination process. Prior to the stretching, crushing and gluing of the fiberglass that can cause a loss of R-value.

If you can't find this label, it means your insulation does not meet the industry's new insulation standard, NIA 404. Under development for more than three years, NIA 404 specifies a method for certifying *post-laminated* R-values for metal building insulation, insuring it with ***continual product testing from an independent source***.

If you can't find this label, your insulation did not come from Therm-All. Because *every* roll of insulation from Therm-All carries the NIA 404 certification label. In fact, Therm-All was the first in the country to meet the stringent standards required for NIA 404 certification. The first in the country to produce certified R-value insulation. Now every roll of Therm-All insulation maintains 100% of the stated R-value *after* lamination. On the job. When it counts.

Find out more about NIA 404 certified Therm-All insulation and all of our other time and energy-saving products. Call us at our new, easy-to-remember TOLL-FREE number:

Northland Steel Buildings
800-763-1303

Where the future of insulation is taking shape today.

THERM·ALL

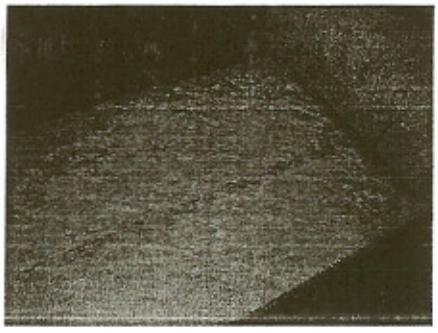
Corporate Office: 31387 Industrial Parkway
North Olmsted, OH 44070
www.therm-all.com

As seen in *Metal Construction News.*

Submittal Sheet

Certified R Metal Building Insulation

Insulation



Standard

- ☐ **R-10, 3 ¼"**
- ☐ **R-11, 3 ½"**
- ☐ **R-13, 4 ¼"**
- ☐ **R-16, 5"**
- ☐ **R-19, 6"**

Made to Order

- ☐ **R-25, 7 ½"**

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 and 19. R-25 is available as a special order item. Standard rolls 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. Thickness' required to achieve Nominal R values are given in the following table. Note that these 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.

Specification Compliance

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

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*	FHC 25/50
Noncombustibility	ASTM E 136	Noncombustible

* 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.