



INNOVATIONS FOR LIVING®

MBI Plus Metal Building Insulation

Product Data Sheet

Description

Owens Corning MBI Plus insulation is a light density fibrous glass blanket designed for use in metal building roofs and walls. The product is intended for installation at the job site and is not designed for lamination. MBI Plus insulation is available in standard R-values of 10, 11, 13, 16, 19, 25 and 30. Standard roll widths are 48", 60" and 72". The product is yellow in color and has ink jet printing on the surface: "MBI PLUS INSULATION...NOT TO BE LAMINATED" for easy identification on the project.

Uses

MBI Plus insulation is used when unfaced insulation is required in various metal building roof or wall systems. MBI Plus insulation is not designed for lamination and is generally shipped directly to a job site. The poly packaging protects the material from weather damage.

Application

MBI Plus insulation is applied between or over the purlins or girts when unfaced insulation is required in the installation process. In a typical double layer roof system, MBI Plus insulation will be applied as the second layer of material between the purlins after installing a laminated layer of Certified R Metal Building Insulation over the purlins. These double layer roof systems accommodate greater insulation thicknesses and provide better thermal performance. MBI Plus insulation can also be used in any filled cavity insulation system that does not require the insulation to be laminated to a vapor retarder facing.

Availability

MBI Plus Insulation is available in the following standard R-Values and thicknesses:

| | |
|------|------|
| R-10 | 3.4" |
| R-11 | 3.7" |
| R-13 | 4.3" |
| R-16 | 5.3" |
| R-19 | 6.3" |
| R-25 | 8.0" |
| R-30 | 9.0" |

Standard roll widths are 48", 60" and 72".

Typical Physical Properties

| Property | Test Method | Value |
|----------------------------|-------------|------------------------|
| Moisture Absorption | ASTM C 1104 | <0.2% by volume |
| Bacteria and Fungus | ASTM C 991 | 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. The 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.



Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein. Nothing contained in this bulletin shall be considered a recommendation.



INNOVATIONS FOR LIVING®

OWENS CORNING INSULATING SYSTEMS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO, USA 43659

1-800-GET-PINK®
www.owenscorning.com

Pub. No. 10002179-B. Printed in U.S.A. March 2010. THE PINK PANTHER™ & ©1964-2010 Metro-Goldwyn-Mayer Studios Inc. All Rights Reserved. The color PINK is a registered trademark of Owens Corning. ©2010 Owens Corning.

The GREENGUARD Indoor Air Quality Certified mark is a certification mark used under license through the GREENGUARD Environmental institute.

