



## Metal Building Insulation

Owens Corning provides many insulation solutions for metal buildings that provide excellent thermal performance as well as a variety of faced or unfaced and interior finish options and installation systems.

Owens Corning's new EcoTouch® Insulation with PureFiber® Technology for Metal Buildings provides exceptional thermal and acoustical performance and is energy efficient, verified formaldehyde-free\* and made with natural\*\* materials. It's not only an improved product with new advantages but also continues to comply with all industry standards and provides equivalent thermal performance.

## EcoTouch® Insulation for Certified R Metal Building

Owens Corning™ EcoTouch® Insulation for Certified R Metal Building, used as part of the insulation system in the roofs and side walls of metal buildings, is designed to be laminated with a variety of facings to provide attractive interior finishes, abuse resistance, and assistance in control of moisture. It is a light density fibrous glass blanket designed to be laminated with a variety of appropriate facings and is typically installed 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 thickness.

## EcoTouch® Insulation for MBI Plus

EcoTouch® Insulation for MBI Plus is a light density fibrous glass blanket designed for use in metal building roofs and walls, applied between or over the purlins or girts when unfaced insulation is required. The product is intended for installation at the job-site and is not designed for lamination. In a typical double layer roof system, EcoTouch® Insulation for MBI Plus will be applied as the second layer of material, between the purlins, after installing a laminated layer of EcoTouch® Insulation for Certified R Metal Building over the purlins.



\* Applies to insulation component only.

\*\* Unfaced insulation made with a minimum of 96% by weight natural materials consisting of minerals and plant-based compounds.



## **ELAMINATOR® Insulation System**

The Owens Corning™ ELAMINATOR® Insulation System is used to insulate metal building roof assemblies both standing seam and screw-down type with Owens Corning™ EcoTouch® Insulation for Certified R Metal Building or EcoTouch® Insulation for MBI Plus. The system utilizes two series of machines designed to travel along the purlins dispensing faced insulation or facing from rolls. The machines control the tension applied to the rolls as they are dispensed and correctly position the facing with respect to the purlins so that installed insulation is consistent and fully expanded. The System uses the Certified ELAMINATOR® Operator Program (CEOP) to provide qualified machine operators for installation.

The system offers excellent interior appearance with a faced surface, uniform in appearance, without noticeable exposed seams. No unsightly suspension clips, wires, or bands are required. The system places the insulation over and/or between the purlins. With facing tabs overlapped across purlins, ELAMINATOR® contributes to good condensation control. Single layer and two layer installation options are available with less compression at the purlins, for enhanced thermal performance.

## **OptiLiner® Banded Liner System**

The OptiLiner® Banded Liner System is designed to maximize the thermal performance of Owens Corning™ EcoTouch® Insulation for MBI Plus in metal building roof and wall applications. The OptiLiner® roof system uses a series of 1.0 inch galvanized steel straps to support a bright white or black polyethylene fabric with thermally welded seams that serves as the low permeance

vapor retarder for the system. Fabric sections are custom fit for each bay in order to ensure a swift installation and a clean interior finished appearance. The installed banding and fabric support system allows roof cavities to be completely filled using two layers of MBI Plus. Completely filling the cavity results in minimal insulation compression and maximum system thermal performance. In addition, the OptiLiner® roof and wall system provides excellent acoustic benefits with multiple STC, STL and NRC tested assemblies for metal buildings.

## **EcoTouch® Insulation for Metal Building Utility Blanket**

Owens Corning™ EcoTouch® Insulation for Metal Building Utility Blanket is an unfaced light density fibrous glass blanket. The product is designed to be laminated with a variety of facings and is used for condensation and noise control in metal buildings. After the product is laminated with an appropriate facing, the insulation is typically installed in a single layer between the structural members (purlins for roofs and girts for walls) and the exterior panels. In most cases, the product is installed over and perpendicular to the structural members with the facing towards the interior of the structure.

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**OWENS CORNING INSULATING SYSTEMS, LLC**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO 43659  
**1-800-GET-PINK®**  
[www.owenscorning.com](http://www.owenscorning.com)

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