

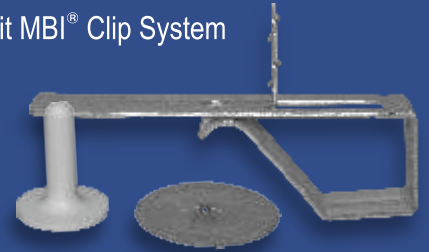


The Retrofit MBI[®] System

Advanced Energy Efficiency for Metal Building Interiors



Retrofit MBI[®] Clip System



The rFOIL[®] Retrofit MBI[®] System is a unique and innovative take on insulating both new and existing metal buildings. Our patented clip and pin purlin system, combined with rFOIL[®] Reflective Insulation provides a cost effective and energy efficient way to insulate all types of metal buildings.

Specifically designed to control heat gain/loss and control condensation in all types of metal and metal-clad buildings.

- Blocks 96% of Radiant Heat Transfer
- Reduces Interior Condensation
- Class 1 / Class A Fire-Rated (ASTM E84-09 / ASTM E2599-08)
- White Facing Option (Bright, Attractive finish)
- Puncture and Tear-Resistant
- Unaffected by Humidity
- Will not Promote Mold and Mildew
- Safe, Non-Toxic and Non-Carcinogenic
- Easy to Handle and Install
- UV-Resistant, Will Not Crack or Flake



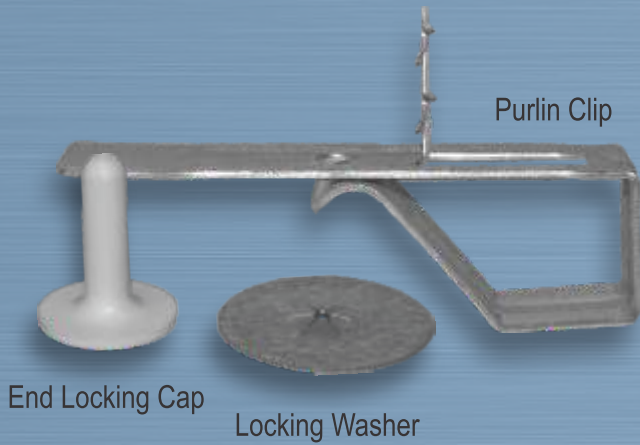
Comes complete with clips, washers and locking caps

THE RETROFIT MBI[®] METHOD!

The Retrofit MBI[®] system is designed to provide superior thermal performance by using our rFOIL[®] insulation along with our clip and pin system which attaches to the roof purlins of a metal building.

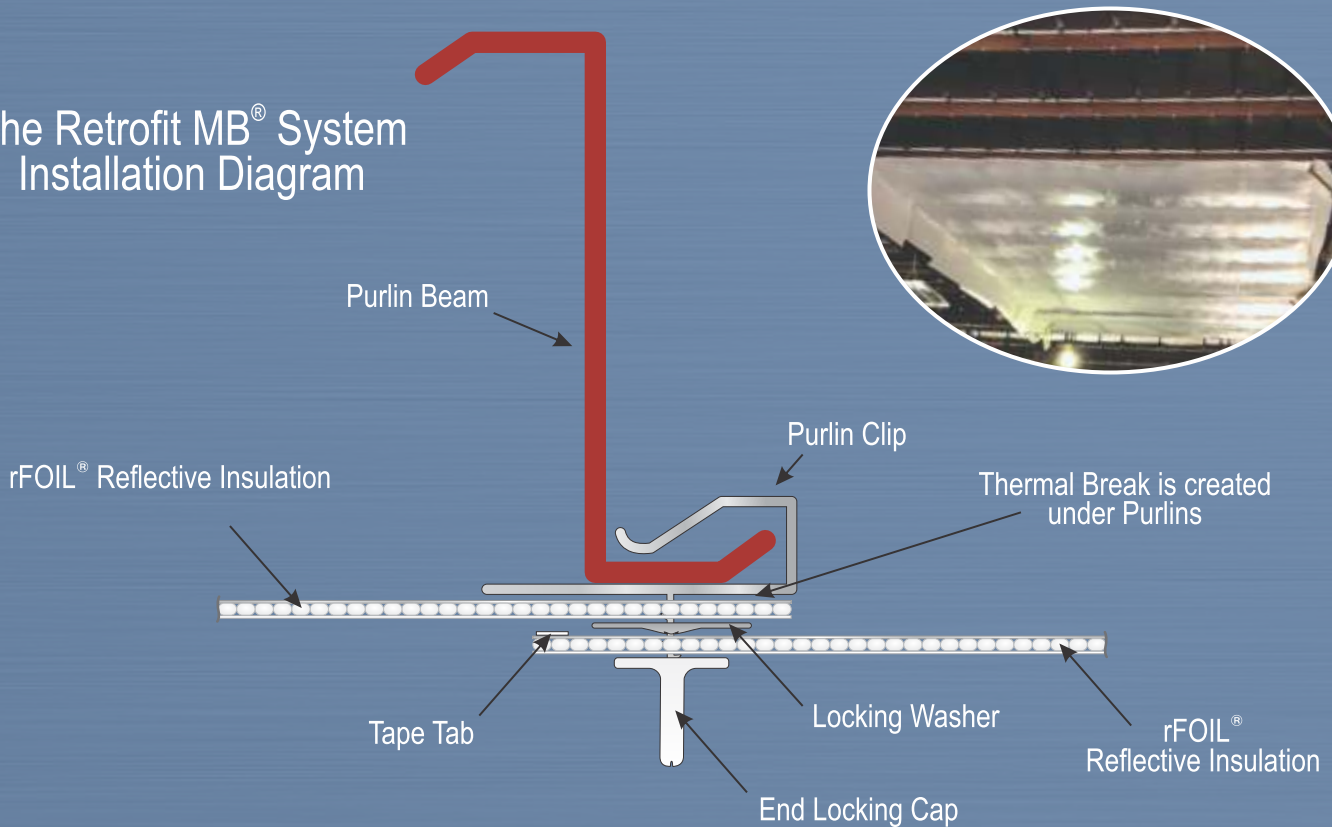
The Retrofit MBI[®] can also be applied to the walls of a building to give complete comfort and peace of mind. Easy, quick installation, along with the ability to be backfilled with additional mass insulation, will make this system a favourite amongst building owners and installers alike.

Using the system alone will reduce the radiant heat transfer in a building by 96%, significantly improving the thermal performance.



Each rFOIL Retrofit MBI[®] insulation roll comes complete with clips, washers and locking caps

The Retrofit MB[®] System Installation Diagram



rFOIL® REFLECTIVE INSULATION PRODUCTS

rFOIL® 2200 series reflective Insulation is a layer of polyethylene bubbles bonded to and sandwiched between a two radiant barrier metalized foil sheets. (Foil / Bubble / Foil)

rFOIL® 2500 series reflective Insulation is a layer of polyethylene bubbles bonded to and sandwiched between a radiant barrier metalized foil and white polyethylene sheet. (Foil / Bubble / White Poly)

The rFOIL® 2600 series is also a layer of polyethylene bubbles bonded to and sandwiched between a radiant barrier metalized foil and white polyethylene sheet but is the first Reflective Insulation to come with an unmatched 10 Year Guarantee against ultraviolet light degradation, delamination, cracking, peeling or flaking. **The guarantee includes new material and up to \$0.75/sqft for any labor replacement costs** (Foil / Bubble / White Poly)



Reflective Metalized Surface Facing	Multi-Layer Bubble Core	Interior (WHITE) Facing Products	Practical Tab / Edge Options	Quick Seam (Adhesive Tape on Tab)
<ul style="list-style-type: none"> - Reduces radiant heat gain and loss - Blocks 96% of radiant heat transfer - Saves energy use - Lowers heating / cooling costs - Improves interior comfort 	<ul style="list-style-type: none"> - Provides continuous thermal break - Lowers risk of interior surface condensation - Durable and long-lasting - Superior puncture, tensile and tear strength - Will not absorb water or vapor - Does not harbor moisture or mold - Clean, safe, no-itch material 	<ul style="list-style-type: none"> - Brightens building interior - Attractive appearance - Easy to clean 	<ul style="list-style-type: none"> - Various options for all metal building applications - Simplifies installations - Improves vapor-sealing efforts 	<ul style="list-style-type: none"> - Saves time and labor - Ensures a continuous vapor and condensation barrier - Simplifies and speeds installation

PRODUCT SIZES
<ul style="list-style-type: none"> - Width: 48" and 72" - Length: 125'

PRODUCT OPTIONS
<ul style="list-style-type: none"> - Single or Double Bubble - Foil on both sides or Foil on one side and White Poly on the other



PRODUCT SPECIFICATIONS			
Physical Properties	Test	Double Layer	Single Layer
NOMINAL THICKNESS	—	5/16"	3/16"
FIRE RATING	ASTM E84-09 / ASTM E2599-08	CLASS 1 / CLASS A	
FIRE TESTING	NFPA 286	PASSES	
EMISSIVITY	ASTM C1371-04A	0.04	0.04
REFLECTIVITY	ASTM E903	0.96	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.12 Perms	0.01 Perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1149	DOES NOT PROMOTE GROWTH	
PLIABILITY	ASTM C1224-03	NO CRACKING	
BLEEDING AND DELAMINATION	ASTM C1224-03	NO BLEEDING OR DELAMINATION	
CORROSIVENESS	ASTM D3310-00	PASSES	
UV TESTING	ASTM G155	4000hrs Exposure 90+% Retain Retention	

Warranty, Specific Applications and Installation Guides can be found at www.rfoil.com

SIMPLE, EASY INSTALLATION. NO DISRUPTION

The Retrofit MBI® System is lightweight and easy to handle and install. With its unique Purlin clips and rFOIL's no mess, no fibers material, the Retrofit MBI® System can be quickly installed with little interruption to the facility's operations.



rFOIL RETROFIT MBI® APPLICATIONS

- Pre-Engineered Steel Buildings
- Agricultural Buildings
- Livestock Confinement
- Arenas

