

A close-up photograph of the Flex Metal Roof Retrofit System components. It shows a corrugated metal roof panel with a white foam insulation board attached to its surface. A brown fiberboard sheathing is being applied over the insulation, secured by three silver metal fasteners. A roll of white protective film is partially unrolled over the top edge of the fiberboard.

# Flex™

## Metal Roof Retrofit System

### Solving Metal Roof Problems Once And For All

Metal roofing is often a good choice, but there comes a time when serious repairs are needed. The Flex Metal Roof Retrofit System installs directly over an existing metal roof, and is a highly effective solution for restoring weatherproof integrity, and more.

As an approved Cool Roof Rating Council product, the Flex Metal Roof Retrofit System not only adds energy-saving insulation, but its brilliant white surface provides a true "cool roof" solution that dramatically outperforms an untreated metal roof, which can reach 180°F in extreme conditions.

The Flex Metal Roof Retrofit System is a proven technology, exceptionally durable, economical and virtually maintenance-free. It is easy to install, simple to repair and warranted up to 20 years. The System is Class A fire-rated by UL, and exceeds Factory Mutual wind uplift ratings.

### The Ideal System for Metal Roof Retrofits

- Applies directly on any structurally sound metal roof
- No need for periodic re-coating or maintenance
- Reflects heat for worker comfort, lower air conditioning loads
- Efficient installation, cold-applied adhesive or mechanically attached
- UL and FM approved, warranted up to 20 years

## A Highly Durable "Cool Roof" Covering



The Flex Metal Roof Retrofit System is typically installed as a hot- or cold-applied adhered system, but can also be mechanically attached. The Flex Roof Membrane is a modified thermoplastic PVC material, incorporating DuPont Evaloy®



*Automated hot air welding helps maximize installation efficiency.*

All the field seams and flashing seams are hot air welded in place. Hot air welded seams are recognized as the strongest roof seam available and remain intact for the lifetime of the roof membrane. There are no glues, tapes or caulking used in this system.

### Easy Installation

Installation is made with little disruption to normal business activity, and includes these basic steps.

- 1.** Solid wood blocking is installed between the metal roof flutes at the perimeter edges of the building and at the base of all roof penetrations. The wood is installed flush with the top edge of the flute. The wood blocking allows for solid fastening of FlexClad™ Metal Edge Systems or Flex Architectural Metal Edge Systems.
- 2.** An approved roof insulation board, such as EPS, is laid loose in the space between the existing metal roof flutes and fills the space to the top of the flutes.
- 3.** Flex Insulation (ISO) Board or Flex-supplied DensDeck Board is mechanically attached with appropriate Flex Screws and Plates to the existing metal roof.
- 4.** A Flex Single Ply Cool Roof System can be installed with cold adhesives or hot asphalt, or can be mechanically attached over the cover board or ISO insulation board.
- 5.** A Flex Membrane edge metal system is installed at the perimeter edges of the new roof to complete the system.



*Flex Single Ply Cool Roof System*

*Flex Insulation Board (ISO)*

*EPS Insulation Board*



Thermoplastic Single Ply and Multi-Ply Roofing Systems with DuPont Evaloy® KEE

**1-800-969-0108**  
FlexMembranes.com

*All Flex roofing systems are backed by pre-installation reviews, on-sight inspections and subsequent guarantees. To learn more about Flex Roofing Systems, please visit our website or contact us today to speak with a representative.*

