



# Our Passion

Thermal-Tec is a nationwide, commercial and industrial roofing contractor that specializes in metal roof repair, metal roof systems, leak repair, roof maintenance, roof replacement and roof restoration. Our MR Multi-Ply® Roof System is a revolutionary roofing product specifically designed to repair transit (asbestos), aluminum, corrugated, galvanized, membrane, standing seam, sheet, and all other metal roofing. We are the metal roofing specialists.



Before



After



## Thermal-Tec Roofing

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# There is an Easier Way

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**Your Proven and Permanent  
Transite Roof Solution**



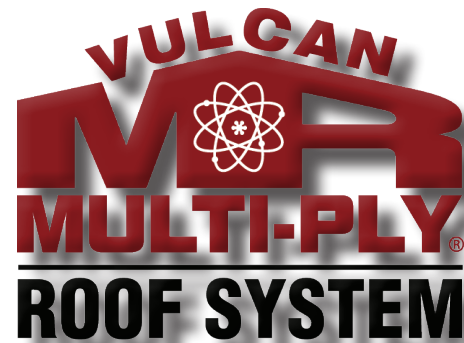
# The MR Multi-Ply® Solution

## Your Transite Roof

The issues surrounding asbestos are well known, with data from the World Health Organization (WHO), indicating that more than 107,000 people die annually from asbestos-related diseases. Asbestos is a known human carcinogen and can cause chronic lung disease as well as lung and other cancers. In its bonded form, asbestos containing materials are considered relatively stable. However, they can pose a health risk in the case of weathering, age, or disturbance. In this case, asbestos fibers have a much greater likelihood of becoming airborne. A common area of concern is asbestos (transite) roofing which, due to its exposed nature, can experience substantial weathering over time. Recent research determined that asbestos roofs make up a significant proportion of all asbestos dangers, and these roofs are often not removed because of cost or safety issues in the removal of the roof.

It Does Not Matter  
if Your Roof is 10,000  
or 1 million square  
feet, we deliver!

The conventional solution for an asbestos roof is abatement. Abatement is the process of encapsulation of the asbestos (and fibers) and then removing the roof panels and replacing the panels with new metal. This is a very dangerous process, is heavily regulated by OSHA and the EPA, causes business shut-downs, and is extremely costly. Moreover, the government requires medical monitoring for any employee who was at risk during the removal and for 20 years after the removal.



## The MR Multi-Ply® System vs. Removal and Replacement

Insurance MR Multi-Ply® Roof System has a Class A fire rating by UL and FM Global.

### UV Granules

Provide for extra protection against leaks and fractures.

### UV PROTECTIVE FINISH

### SEALING TOP COAT

### Seamless

Our system is seamless and prevents water from getting through.

### Membrane Layers

The membrane secures dangerous asbestos fibers.

### POLYESTER FULL FABRIC MEMBRANE

### ADHESIVE BASE COAT

Adheres directly to existing transite. No

### TRANSITE PANEL

### Installation

The membrane bonds cracks and fractures, allowing safe access to the roof. The system adds 80,000-100,000 pounds of tensile strength.

Inherently dangerous process that requires both OSHA and EPA to be on-site.

Adds 8 to 12 pounds per square foot.

Requires medical monitoring for the lifetime of the employees.

Removal and replacement of panels necessary.

Removal of fasteners increases opportunity for hazardous asbestos fiber release.

Several times the cost of the MR Multi-Ply® Roof System.

## There is an Easier Way

Thermal-Tec is easy to do business with. Our 40 years in the roofing industry has allowed us to prove that our **MR Multi-Ply® Roof System** is a durable and permanent solution for your Transite roof.

Applied directly to your Transite roof panels our **MR Multi-Ply® Roof System** encapsulates all the asbestos. **This means that OSHA and EPA involvement is not necessary.** The multiple layers in our system help to add 80,000-100,000 pounds of tensile strength to any compromised panels.

All our roofs come with a 20-year warranty that can be extended when we simply re-apply our **MR Multi-Ply® Roof System**, further sealing the asbestos fibers for decades to come.

- ✓ **Permanent Leak Solution**
- ✓ **No OSHA or EPA On-Site**
- ✓ **No Medical Monitoring Required**
- ✓ **No Panel removal**
- ✓ **80,000 to 100,000 pounds of Tensile Strength Added**
- ✓ **No Government Involvement**
- ✓ **85% less costly than Transite Removal and Replacement**

## Project Profile

Constellium chose us to cover 200,000 square feet of transite roof at their Muscle Shoals facility. The cost to remove and replace the transite panels would have been several times that of our **MR Multi-Ply® Roof System**. Removing and replacing the product would have shut down the production due to the product's age. It was determined that dust from the removal would have traveled through the worksite. OSHA and EPA would have been on site directing the project causing concerns and tons of unnecessary paperwork and also medical monitoring of workers onsite for 20 years. By laminating the **MR Multi-Ply® Roof System** polyester directly to the transite panel, it adds an additional 80,000-100,000 pounds per square foot of tensile strength allowing maintenance personnel to safely access the roof, stop any further deterioration of the panel due to weather, and keep production up and running during the entire process, as well as delivering a watertight seal to the roof for decades.



## Constellium Element 13

