

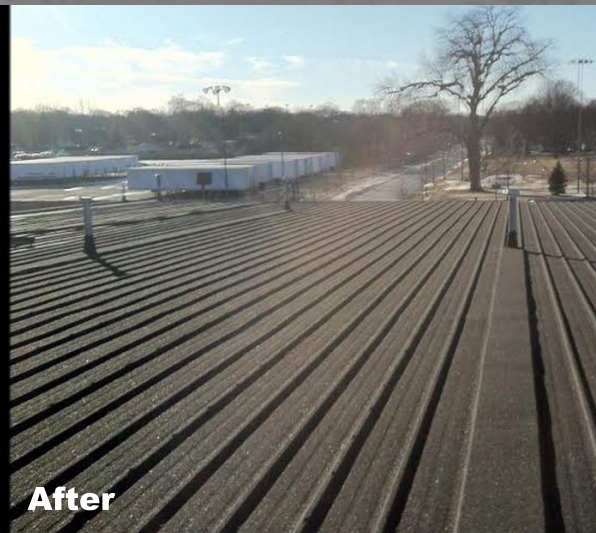


# Our Passion

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 innovative 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

	Working Temperatures	Installation	Safety	Manufacturer Warranty	Roof System
THERMAL-TEC	-10° F to 120° F	We manufacture and install our own system.	Over 1.5 million man hours without a fatality or serious injury.	20-Year Warranty + \$10,000,000 liability insurance.	Specifically designed for pitched metal roofs
SINGLE-PLY	40° F to 50° F and rising over 48 hours.	Manufacturer, then distributor, general contractor then subs. No accountability!	Not available.	3rd Party, material only.	Not designed or manufactured to be installed on a metal building.

13801 Francis Way, Cedar Springs, MI 49319  
telephone 800.531.9798 | [www.thermal-tec.com](http://www.thermal-tec.com)



## Thermal-Tec Roofing

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# There is a Better Way

**Your Pre-Engineered Building Requires a Precision-Engineered Roofing Solution!**





# The MR Multi-Ply® Solution

## Your Pre-Engineered Building

All pre-engineered metal buildings are exactly the same—this is a true statement. Every bolt, fastener, washer, panel and all other parts are planned, designed and manufactured to specification exactly the same every time. The beauty of a pre-engineered building is they are inexpensive, easy to erect, and designed to deliver predictable performance. Another characteristic of pre-engineered buildings compared to conventional structures is that they are designed to rack, expand, and contract over their life-time. One of the consequences (over time) is this expansion, contraction, and racking will loosen joints and break seams where the metal connects. All of this activity will allow water to eventually leak inside your building. It's not a design fail, but the nature of weather and time.

## The Facts

- 94% of our installed systems need no service over the lifetime of the warranty.
- We include labor AND materials for the lifetime of the warranty unlike other commercial roofers that only cover material costs.
- We know the heavy industries; we know what you want and what you don't want.
- Most of our clients begin with a "pilot" project. Pilots are a small section of the roof that is used to prove our system's superiority.

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

## Project Profile



JW Aluminum  
Mt. Holly, SC  
450,000 sq.ft. of roof

JW Aluminum was founded in Mt. Holly, South Carolina, in 1979 as Jim Walter Metals – a single-facility operation with about 10 employees. Since then, JW Aluminum has grown to become the leading aluminum rolled products company in the world, with one of the most diverse product lines in the aluminum industry. When JW Aluminum was having problems with leaks due to the corrosive environment that their process causes, Thermal-Tec had a solution. JW Aluminum chose the **MR Multi-Ply® Roof System** based on our reputation throughout the Primary and Secondary Smelting Industry. With Thermal-Tec's exceptional safety record, there were no worries about ceased production due to leaks. With the help of their new roof, JW Aluminum continues to produce the highest quality aluminum products today.



## The MR Multi-Ply® Roof System vs. Single-Ply

	<b>MR MULTI-PLY® ROOF SYSTEM</b> <b>Fire Rating</b> MR Multi-Ply Roof® System has a class A fire rating by UL and FM.	<b>SINGLE-PLY MEMBRANE</b> Assembled roof system changes fire characteristics to highly flammable.
	<b>MR MULTI-PLY® ROOF SYSTEM</b> 10-14 ounces per square foot.	<b>SINGLE-PLY MEMBRANE</b> 3 to 5 pounds per square foot.
	<b>MR MULTI-PLY® ROOF SYSTEM</b> 100–120 mils thick.	<b>SINGLE-PLY MEMBRANE</b> 40–60 mils thick.
	<b>MR MULTI-PLY® ROOF SYSTEM</b> Provides rustproofing and condensation control.	<b>SINGLE-PLY MEMBRANE</b> Creates condensation and destroys the metal deck.
	<b>MR MULTI-PLY® ROOF SYSTEM</b> Adheres directly to existing metal. No fasteners required.	<b>SINGLE-PLY MEMBRANE</b> 6,000 penetrations for every 10,000 sq.ft area—Now what?
	<b>MR MULTI-PLY® ROOF SYSTEM</b> Designed specifically for pre-engineered buildings.	<b>SINGLE-PLY MEMBRANE</b> System designed and developed specifically for flat roofs. Adaptation can occur, but adaptation produces numerous areas of system weakness.

