



# Comparison of Systems for Metal Roofs



	<b>MR Multi-Ply® Roof System</b>	<b>Single-Ply Membrane</b>	<b>Water Based Coating</b>	<b>New Metal</b>
<b>Attachment Style</b>	Adheres directly to existing metal. No fasteners required.	6,000 Penetrations for each 10,000 sq. ft. area.	Unable to bond to oxidized metal.	Additional penetrations in purlins; difficult to adhere new metal to existing pre-fabricated structure.
<b>Condensation</b>	Provides rust proofing and condensation control.	Creates more.	Creates more.	N/A
<b>Seams</b>	None	All over the roof.	None	All over the roof.
<b>Weight</b>	Black Granules: 12 - 14 oz per sq. ft. Industrial Reflective Finish: 10 - 12 oz per sq. ft.	2.5 lbs - 5 lbs per sq. ft.	12.5 mils thick (2-3 ounces per sq. ft.)	Less than original metal.
<b>Fire Rating</b>	Class A Fire Rating UL Listed and FM Approved	Assembled roof system changes fire characteristics.	Assembled roof system changes fire characteristics.	N/A
<b>Insurance</b>	Lowers Cost.	More Risk.	More Risk.	Base Value.
<b>Tax Deductible</b>	100% Tax Deductible in the same year as installation.	System must be depreciated over 39.5 years.	Unknown	System must be depreciated over 39.5 years.
<b>Repair Ability</b>	Year Round.	40°F and up.	45°F and up for 24 hours straight.	Year Round.
<b>Warranty</b>	10 + 10 Year Materials and Labor Warranty by Thermal-Tec with \$10,000,000 Liability Insurance.	3rd Party	3rd Party	3rd Party
<b>Color Options</b>	Variety of Colors	No Options	No Options	Variety of Colors
<b>Installation</b>	Designed and developed specifically for pre-engineered buildings without production interruptions.	System is engineered specifically for flat roofs. Must be adapted which produces numerous system weaknesses.	Painters	Requires removing the existing roof and exposing the facility to the elements.
<b>Safety</b>	Highest Safety Record in the Country with over 1 Million Work Hours with no recordable OSHA Incidents.	Company Dependant	Painters are not Roofers.	Company Dependant
<b>Cost</b>	\$\$	\$\$\$	\$	\$\$\$\$