

Designed for **Performance**

Substrates...Better from the Base Up

There are two types of Substrates: Galvalume® and Galvanized. Performance testing shows Galvalume® is better – backed with a 25-year Mill Warranty. Galvanized has no warranty. Galvanized grades depend on the amount of Zinc in the alloy. The more Zinc, the better. G100 has 50% more Zinc than G60, and will fight rust better. McElroy Max-Rib provides a choice of panels with a menu of Galvalume® and Galvanized substrates and coatings to match your project.

Design Requirements	MAX-RIB ULTRA	MAX-RIB 100	MAX-RIB II	MAX-RIB 60	MAX-RIB UTILITY
Fade Resistance	✓				
Chalk Resistance	✓				
Longevity	✓				
Gloss Retention	✓	✓	✓		
Basic Shade and Shelter				✓	✓
Residential Roofing	✓				
Corrosion Resistance	✓	✓	✓		
Budget				✓	✓
Coating Warranty	BEST	BETTER	BETTER	GOOD	NOT AVAILABLE
Long-term Owner Satisfaction	✓				



Galvanized test panel covered in red rust after 18 years in rural environment.

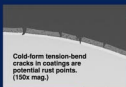


Galvalume test panel shows only moderate edge discoloration after 21 years in same rural environment.

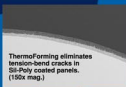
Processes

ThermoForming:

McElroy warm-rolls all Max-Rib silicon polyester panels. ThermoForming prevents tension-bend cracking, providing corrosion protection for increased longevity, visual appeal and value. Ask for a copy of our Technical Bulletin.



Cold-form tension-bend cracks in coatings are potential rust points. (100x mag.)



ThermoForming eliminates tension-bend cracks in Si-Poly coated panels. (100x mag.)

Coatings

Looks for the Long Run:



Exposure to UV and elements faded the color of this Si-Poly roof. Add-on roof area at right is original panel color.



One Kynar 500 panel was included and installed on a Si-Poly project in Ohio. Note how it has retained its color after 5 years of Ohio weather.

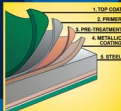
Three types of coatings are available – best, better, and good.

Kynar 500® (PVDF) is the “best” for long life, color retention and chalk resistance. Best for any project.

Siliconized Polyester is the “better” coating and performs well in general use.

Polyester is the “good” coating and performs well in shade and shelter or basic applications.

Zinc Phosphate:



All panels are pre-treated with Zinc Phosphate during the coil coating process, providing an additional level of corrosion protection.