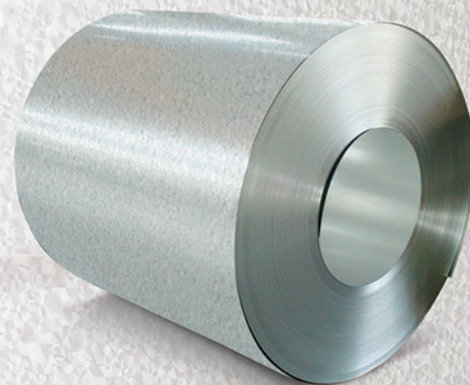


GALVALUME®

SR. = .57 E=.62



LONG TERM DURABILITY

Galvalume® offers proven long-term performance in the field. **With over 30 years of testing,** *Galvalume®* has demonstrated outstanding corrosion resistance compared to galvanized steel. Its performance has been so reliable that many steel mills provide warranties against rupture, perforation, or corrosion-related failure — **warranties that are not typically offered for galvanized products.**

LONG TERM TESTING

In an extended test, unpainted *Galvalume®* and galvanized panels were placed in four outdoor environments, including marine and rural locations. The results showed that the more aggressive the environment, the better *Galvalume®* performed. After 23 years of side-by-side exposure, *Galvalume®* was shown to be two to four times more durable than galvanized steel.

- *Galvalume®* 26 GA Grade 80 – Grade E Coil Side: 43"
- *Galvalume®* 26 GA Grade 50 – Grade D Coil Side: 41.5"
- *Galvalume®* 24 GA Grade 50 – Grade D Coil Side: 42.75"

THE BENEFITS OF ALUMINUM AND ZINC

Galvalume® is made from a patented alloy of corrosion-resistant aluminum and zinc, giving it unmatched durability. Most *Galvalume®* substrates consist of **55% aluminum, 43.5% zinc, and 1.5% silicon**, a composition proven to outperform traditional galvanized coatings in corrosion resistance.

This advanced coating allows *Galvalume®* steel roofs to last longer, require less maintenance, and provide superior value over time. These properties make *Galvalume®* an excellent alternative to traditional roofing materials. Today, *Galvalume®* is used in more than 40 billion square feet of roofing worldwide, protecting buildings of nearly every type.

Moderate Marine
Galvanized G90



Rural
Galvanized G90



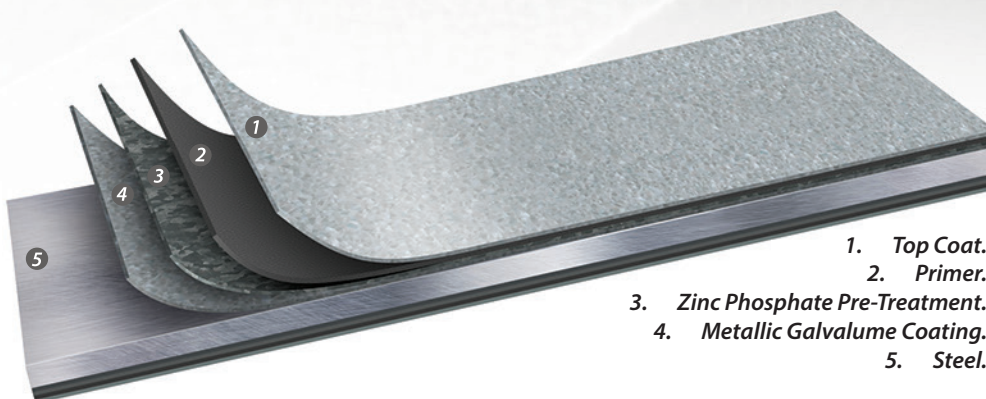
Moderate Marine
Galvalume® Sheet



Rural
Galvalume® Sheet



Galvalume® (1 mil coating) panels continue to perform well in marine and rural sites **after 23 years.**

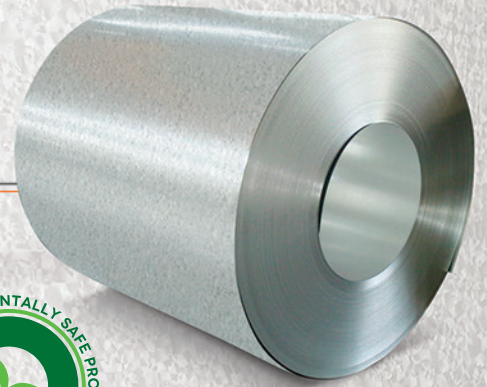


1. Top Coat.
2. Primer.
3. Zinc Phosphate Pre-Treatment.
4. Metallic Galvalume Coating.
5. Steel.



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GALVALUME®



SUSTAINABILITY COMMITMENT

At *Quality Metals*, we prioritize responsible manufacturing. Our *Galvalume*®:

- Contain **30% or more recycled content**.
- Are **100% recyclable** after use.
- Support sustainable construction and **LEED®** certification goals.
- Are manufactured with **reduced emissions and minimal waste processes**.



ENVIRONMENTAL PERFORMANCE TESTING

Environment	Test Duration	Test Duration
Marine Exposure	23–30 years	2 to 4 times longer life
Rural Exposure	23–30 years	2 to 4 times longer life
Industrial Exposure	30 years	Superior edge protection
Salt Spray – Cut Edges	Accelerated Test	3 to 4 times more resistant
Salt Spray – Protected	Accelerated Test	5 to 10 times more resistant

COATING DESIGNATIONS & DURABILITY

ASTM Designation	Triple Spot Average (oz/ft ²)	Single Spot Minimum (oz/ft ²)	Coating Thickness (approx./side)
AZ50	0.50	0.43	0.8 mil
AZ55	0.55	0.50	
AZ60	0.60	0.52	

TYPICAL MECHANICAL PROPERTIES

Property	Range
Yield Strength	38 – 53 ksi
Tensile Strength	50 – 65 ksi
Elongation	20 – 36%
Hardness	50 – 65 HRB

ADDITIONAL PERFORMANCE BENEFITS

- Up to **600°F** continuous temperature resistance
- **Fingerprint- and transit-corrosion resistant**
- **High formability and smooth roll-forming**
- **Excellent paint adhesion** for architectural coatings



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