

The **ENGLERT ADVANTAGE** in Metal Roofing:

# GALVALUME

Aluminum-Zinc Alloy Coated Steel

The **BENEFITS** Of  
working with



## Environmentally friendly metal roofing solutions.

Englert systems permit complex roof configurations from ridge to eave, to ensure a crisp roof line and greater weather-tightness. Our metal roofing systems have earned the Energy Star® label, and reflect radiant heat back to the sun, reducing cooling requirements and lowering energy consumption.



## Sales and technical support whenever you need it.

You can count on responsible, experienced support at every stage of your project. We provide knowledgeable assistance with everything from product selection to installation support. Skilled technical advice and a list of nationwide certified installers are just a call away.

## Comprehensive warranty on metal and paint finish.

Virtually maintenance-free, Englert Galvalume roofing carries a 25 year limited warranty on the Galvalume substrate and 25-35 year limited warranty against chip, crack, check, peel, chalk, and fade on pre-painted Galvalume.

**1-800-ENGLERT**  
**[www.englertinc.com](http://www.englertinc.com)**

**Why is Galvalume Better?** Galvalume has enjoyed the fastest growth rate of any steel product on the world market. It has become the preferred material for roofing applications, which formerly would have utilized aluminum-coated or galvanized steel.

- **CUT EDGE PERFORMANCE** The composition of the Galvalume alloy coating creates highly corrosion-resistant sheet steel that delivers the optimum combination of features of aluminum and zinc: the barrier protection and long-term durability of aluminum and the sacrificial or galvanic protection of sheared edges that is characteristic of zinc.
- **EXCELLENT LONG-TERM DURABILITY** Galvalume has been subjected to long-term testing for resistance to normal atmospheric corrosion. Typical durability for Galvalume sheet is two to four times that of galvanized G90 sheet.
- **EXCELLENT ENERGY EFFICIENCY** Galvalume sheet's metallic surface provides excellent reflectivity. Also, a Galvalume standing seam roof enables the use of a generous amount of insulation. Together, these two factors result in a long-life, cost-effective, energy efficient roofing system.
- **EXCELLENT FORMABILITY** Galvalume can be formed about as readily as continuously annealed galvanized sheet steel. Lock forming and roll forming are readily accomplished.



## Technical Data

Galvalume sheet is produced according to ASTM Specification A792/A792M-97a "Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process." AZ50 or 0.50 oz/sq. ft. (150 g/sq. m.) coated Galvalume sheet is generally used for pre-painted architectural Galvalume Standing Seam Roofing (SSR) and AZ55 or 0.55 oz/sq. ft. (165 g/sq. m.) for unpainted structural Galvalume SSR.

Structural Galvalume steel used for SSR panels has the following range of mechanical properties:

- **YIELD STRENGTH:** 50+ ksi (414+ MPa)
- **TENSILE STRENGTH:** 55-70 ksi (379-483 MPa)
- **TOTAL ELONGATION:** 18-36%
- **HARDNESS:** 50-65 HRB

**Galvalume is an environmentally conscious product choice.** The Galvalume production process uses approximately 25 to 35 percent old steel (scrap) to make new steel. An estimate by the Steel Recycling Institute identifies the recycled scrap to average approximately 80% post-consumer and 20% post-industrial material.

## Finishes that meet any design objective.

Englert is one of the few single source metal roof manufacturers with an in-house coil coating line and an exceptionally broad range of finishes, whether the design calls for a natural weathered appearance or bright, high performance, full strength fluorocarbon colors.



## Englert—The Metal Experts.

Englert is one of the nation's leading forces in metal roofing, rainware, coil coating and portable roll-forming equipment. Since 1966, we've been a pioneer in construction products, from the development of LeafGuard®, the revolutionary debris-shedding gutter system, to fully integrated metal roofing with an in-house, continuous coil coating line.



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