



HerculesTM
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Pre-Painted SMP Sheets & Coils

Description

Siliconized Modified Polyester (SMP) pre-painted steel is a coil-coated product combining a galvanized or Galvalume® substrate with a baked-on SMP finish. It is designed for durability, color retention, and weather resistance in exterior construction applications.

Coating System

Consists of a primer and a siliconized polyester topcoat, baked on for long-term adhesion and performance. Available in a wide range of colors with gloss and fade resistance.

Base Substrates

Typically G60 (Can Vary) galvanized steel or AZ50 Galvalume® (aluminum-zinc alloy coated steel).

Specs

Coating thickness typically ranges from 0.8 to 1.0 mils. Meets ASTM A755 for pre-painted metallic-coated sheet used in building components.

Appearance

Uniform color and gloss with a smooth finish. Offered in matte, low-gloss, and standard gloss options depending on product line.

Applications

Rainwater goods (gutters, downspouts, fascia), metal roofing, siding panels, trims, and architectural elements.

Thickness Range

Common sheet gauges range from 28 to 22 gauge (approx. 0.015" to 0.030").

Formability

Designed for roll forming, bending, and light stamping without cracking or flaking.

Durability

UV- and weather-resistant. Coatings offer 10-30 year limited warranties depending on exposure and color. (Based on Customer Criteria)



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Paint Performance

Excellent chalk, fade, and scratch resistance. SMP provides longer color life than basic polyester finishes.

Protection

Combines corrosion resistance from the substrate (galvanized or Galvalume[®]) with protective paint. Requires no additional coating.

Pros

Cost-effective exterior performance, long-lasting color, low maintenance, excellent for rainwater and architectural use.

Cons

Less flexible than PVDF (Kynar) coatings; not ideal for severe forming or harsh coastal environments.