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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.