SMP

Silicone Modified Polyester.

40 Years Limited Waranty on Painted Material

SMP (Silicone-Modified Polyester) Painted Metal: The Technical Advantages Our SMP painted metal is engineered to deliver performance and protection that meet the most rigorous industry standards. It offers a comprehensive solution for a wide range of architectural and industrial applications, combining aesthetic appeal with robust technical attributes.

SMP coatings excel in weather resistance. They maintain color vibrancy and gloss over extended exposure to sunlight and adverse weather conditions.

SMP-coated metal provides a protective barrier against corrosion, ensuring structural integrity over time.

Technical Data	
Specular Gloss at 60° ***ASTM D 523***[2]	20 to 80
Pencil Hardness ***ASTM D 3363***	F to 2H
T-Bend ***ASTM D 4145***[5]	2T to 4T[3] with no loss of adhesion
Cross Hatch Adhesion ***ASTM D 3359***	No loss of adhesion
Reverse Impact ***ASTM D 2794***[5]	Galvalume® or HDG: 3x3 metal thickness inch-pounds, no loss of adhesion
	Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion
Humidity Resistance	
100% RH 1,000 Hours ***ASTM D 2247***	Galvalume® or HDG: No field blisters
100% RH 2,000 Hours ***ASTM D 2247***	Aluminum: No field blisters
Salt Spray Resistance	
1,000 Hours ***ASTM B 117***	Galvalume®or HDG: Creep from scribe ≤ 1/8 inch (3mm), none or few #8 blisters
2,000 Hours ***ASTM B 117***	Aluminum: Creep from scribe ≤ 1/8 inch (3mm), few #8 blisters
South Florida Exposure	Color: No more than 5ΔE Hunter units at 90˚ vertical angle and 7ΔE nonvertical at 30 yrs
ASTM D 2244	Chalk: Rating no less that 8 at 90˚ angle and 6 at non vertical angle at 30 yrs
ASTM D 659[1]	Film Integrity: 40 years, no cracking, flaking and peeling
Water Immersion 100° F 168 Hours ***ASTM D 870***	No field blisters with minimal color change
Abrasion Resistance: ***ASTM D 968***	No field blisters with minimal color change

1. All substrates must be properly cleaned and pretreated.
2. American Society for Testing and Materials.
3. Storm Armor is not designed to bridge cracks in the substrate. Due to variability of heavy gauge and HDG metal, some fractuirrng or rupturing of the substrate is possible with subsequent rupturing of the coatings.
4. Varies by color. For details on health, safety and handling information, Material Safety Data Sheets are available upon request.
5. Oil Canning is inherent to roll formed products and shall not be cause for rejection. To help reduce oil canning use 24 gauge or thicker.
6. Flat surfaces will display slight waviness commonly referred to as Oil Canning. This phenomenon is caused by steel mill production tolerances and will not be accepted as cause for field rejection.
7. Deposits/Special Order: All deposits are final and non-refundable on special orders.

STANDARD COLORS

POLAR WHITE
SR=.67 E=.86 SRI=81

RUSTIC RED
SR=.34 E=.85 SRI=35

SADDLE TAN
SR=.51 E=.85 SRI=58

COLONY GREEN
COLONY GREEN

DESERT SAND
SR=.46 E=.84 SRI=51

BURNISHED SLATE
SR=.28 E=.83 SRI=26

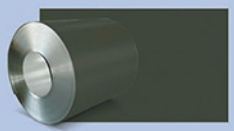
LIGHT STONE
SR=.58 E=.85 SRI=68

CHARCOAL GRAY
SR=.38 E=.85 SRI=38

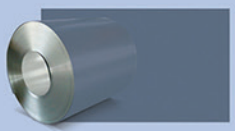
ASH GRAY
SR=.51 E=.85 SRI=58

COCOA BROWN
SR=.25 E=.84 SRI=23

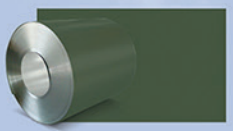
PREMIUM COLORS



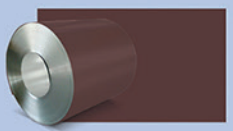
FERN GREEN
SR=.29 E=.83 SRI=28



HAWAIIAN BLUE
SR=.31 E=.84 SRI=31



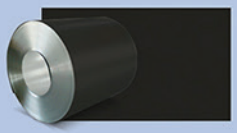
EVERGREEN
SR=.32 E=.85 SRI=33



BURGUNDY
SR=.26 E=.86 SRI=25

BRITE RED
SR=.42 E=.87 SRI=47

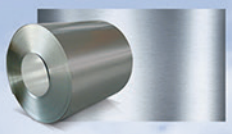
REGAL BLUE
SR=.23 E=.88 SRI=22



MATTE BLACK
SR=.27 E=.87 SRI=27

METALLIC COLORS

COPPER METALLIC
SR=.40 E=.86 SRI=44



WEATHERED GALVALUME
SR=.34 E=.82 SRI=34

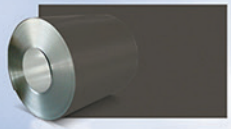
SILVER METALLIC
SR=.52 E=.74 SRI=56

LOW GLOSS – LOW SHEEN COLORS

SLATE GRAY
SR=.37 E=.86 SRI=40

COPPER BROWN
SR=.25 E=.88 SRI=25

AGED BRONZE
SR=.25 E=.87 SRI=24



DARK BRONZE
SR=.25 E=.86 SRI=24

MEDIUM BRONZE
SR=.28 E=.88 SRI=29

*Color appearance may change.
*Final color selection should be made from metal color chips.