

WeatherXL™ Coil Coating System

Silicone Modified Polyester (SMP)

Sherwin-Williams® WeatherXL™ coating is a unique silicone-modified polyester (SMP) resin system for pre-painted metal products designed especially for the residential, agricultural commercial construction industry.

Durable & Long-Lasting

This two-coat system has proven durability and is highly resistant to stains, abrasions and metal markings. These outstanding features allow the product to endure the physical stresses of fabrication, transit and construction while minimizing cracking and marring.

The combination of ceramic, inorganic pigments and other enhancements make WeatherXL™ the most durable SMP coatings on the market. WeatherXL™ is recognized for its superior weatherability, remarkable color and gloss retention, outstanding color consistency, proven durability, as well as superior chalk resistance.



WeatherXL™ coatings are available in a wide pallet of colors from bright white to jet black, all of which are available in Solar Reflective (SR) formulations to meet Energy Star and LEED qualifications, which means while looking beautiful, you also save energy and cooling costs.



● Category 2 - Premium

Please be advised that category 2 items are considered non-standard items with limited availability and extended lead times. Color requests not listed are considered custom requests involving special approval and quantity minimums.

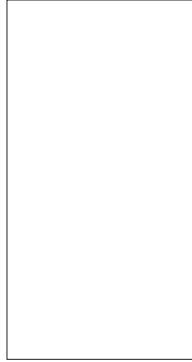
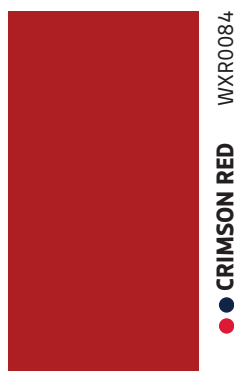
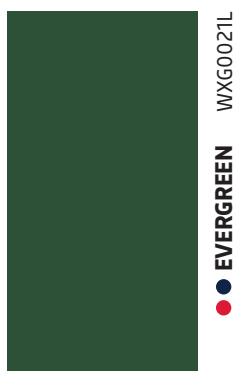
● Customer Acknowledgment

Please be advised that darker shades of WeatherXL™ Silicone Modified Polyester (SMP) will require a customer acknowledgment form to be completed. Failure to do so, may result in no guarantee being provided for the coating's performance.

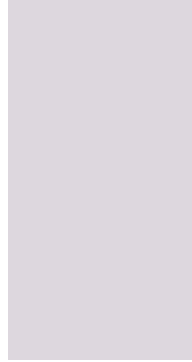
➤ Polypremier™ Polyester (PE) Coil Coating System

PolyPREMIER, by Sherwin-Williams Coil Coatings, is a line of multi-purpose polyester coatings formulated specifically for metal building and multi-purpose product components. We understand that every business and product has varied coating requirements, which is why we work directly with our customers. With a commitment to know your business as well as you do, we deliver solutions specifically for optimizing your product needs. Enhance your next project with solutions from PolyPREMIER line products.

FALK Panel provides a range of finished profiles in the Silicone Modified Polyester (SMP) & Polyester (PE) colors depicted. For a more accurate representation of our colors, please request a physical color sample by calling FALK at 616.541.4500 or visit falkpanel.com



BRIGHT WHITE WXW0050L
PMW0864 (PE)



IGLOO WHITE PMW0532 (PE)



DUTCH WHITE WXW0704L
PMW33644 (PE)



LIGHT STONE WXD0038L



SADDLE TAN WXD0046L



DESERT SAND WXD0055L



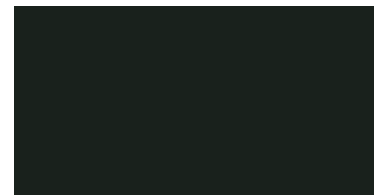
OLD TOWN GRAY WXA0095L



BURNISHED SLATE WXB1007L ●



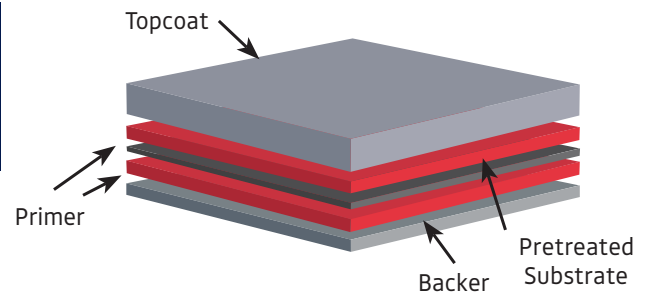
CHARCOAL WXA0090L ●



BLACK (Trim Only) WXA0107L ●●

COMMITMENT TO QUALITY

Our coatings are trusted and field-proven through rigorous testing, providing key benefits to our customers.



SMP COIL COATING SYSTEM

Number of Coats	Dry Film Thickness (DFT)		Total Topside DFT:	Backer
	Primer	Topcoat		
2-Coat	0.2-0.3 mils	0.7-0.8 mils	0.9-1.1 mils	0.2-0.3 mils

WEATHER XL™ AND WEATHER XL CRINKLE FINISH PERFORMANCE TESTING

Industry Specifications Compliance	AAMA 2604-17A Requirements	Voluntary Specification, Performance Requirements and Test Procedures for High-Performing Organic Coatings on Architectural Aluminum Extrusions and Panels
Substrates	Pretreated Galvalume, Hot-Dipped Galvanized (HDG) steel and aluminum	

PHYSICAL TESTING

ASTM¹ TEST METHOD

AAMA² 2604-17A REQUIRED TEST RESULT

Falling Sand Abrasion	ASTM D 968	35 ± 10 liters
Film Adhesion	ASTM D 3359	No removal of film under tape in the cross-hatched area. (Dry, Wet, Boiling Water)
Surface Burning Characteristics	ASTM E 84	Flame Spread Index: Class A. Smoke Developed Index: Class A.
Graffiti Resistance	ASTM D 6578/D 6578M	Meets and exceeds
Humidity Resistance	ASTM D 2247: 100% RH at 100° F for 2,000 hours	Galvalume or HDG: No field blisters Aluminum: No field blisters
Impact Resistance (direct)	ASTM D 2794	Galvalume or HDG: 3x metal thickness inch-pound, no loss of adhesion
Pencil Hardness	ASTM D 3363	HB to 2H.
Salt Spray	ASTM B 117: 1,000 Hours; 3,000 Hours	Galvalume or HDG: Creep from scribe ≤ 1/8" (3mm), none or few #8 blisters. Aluminum: Creep from scribe ≤ 1/8" (3mm), few #8 blisters.
Specular Gloss 60°	ASTM D 523	WeatherXL: 20-80 WeatherXL Crinkle Finish: <5 @ 60 degrees
T-Bends	ASTM D 4145 ³	2T-4T, no loss of adhesion.

SOUTH FLORIDA TESTING

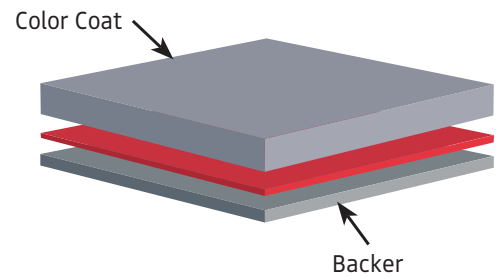
45 degree southern exposure for panel racking

Color	ASTM D 2244	No more than 5Δ E Hunter units at 90° vertical angle and 6Δ E non-vertical at 20 years.
Chalk	ASTM D 4214	Rating no less than 8 at 90° angle and 7 at non-vertical angle at 20 years.
Film Integrity	ASTM G 7	25 years, no blisters, peeling or cracking

¹American Architectural Manufacturers Association. ²American Society for Testing and Materials. WeatherXL is not designed to bridge cracks in the substrate. WeatherXL coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pretreatment applications can lead to diminished flexibility. For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at coil.sherwin.com. WeatherXL™ is a registered trademark of Sherwin-Williams. Galvalume® is a registered trademark of BIEC International, Inc. Sherwin-Williams makes no warranties, expressed or implied, and disclaims all implied warranties including warranties of merchantability or fitness for a particular use. Sherwin-Williams will not be liable for any special, incidental or consequential damages. © 2018 Sherwin-Williams. All Rights Reserved.

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PE COIL COATING SYSTEM

COATING SYSTEM	Number of Coats	Dry Film Thickness (DFT)			Total Topside DFT:	Primer (optional)	Backer*
		Clearcoat (optional)	Color Coat/ Basecoat	Primer (optional)			
POLYPREMIER	1-, 2-, or 3-coats	0.35-0.45 mils	0.50-0.85 mils	0.15-0.40 mils	0.65-1.55 mils	0.30-0.40 mils	0.15-0.40 mils

*A backer is dependent on the application and gloss level.

PHYSICAL TESTING

ASTM¹ TEST METHOD

AAMA 2603-17A REQUIRED TEST RESULT

Abrasion Resistance	ASTM D968, Method A	Total Sand = 35 ± 5 liters
Cross Hatch Adhesion	ASTM D3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
Film Adhesion	ASTM D3359	No removal of film under tape in cross-hatched area
Graffiti Resistance	ASTM D 6578/D 6578M	Meets and exceeds
Humidity Resistance	ASTM D 2247: 100% RH for 2,000 hours	2,000 hours: No blistering or loss of adhesion
Impact Resistance	ASTM D 2794	Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion. CRS, HDG or Galvalume: 3x metal thickness, no loss of adhesion.
Pencil Hardness	ASTM D 3363	F-2H
Salt Spray	ASTM B 117: 5% Salt Fog at 95°F for 250 hours 5% Salt Fog at 95°F for 1,000 hours	CRS: no field blistering, no more than 1/8" creep from the scribe Aluminum: No field blistering, no more than 1/32" creep from the scribe HDG: Creep from scribe ≤ 1/8" (3mm), few #8 blisters. Number of hours tested varies by substrate and/or primer selected.
Specular Gloss 60°	ASTM D 523	PolyPREMIER: 8-65 Non-Fogging: 25-80 Mica/Metallic: 15-85+, +/-5 units of manufacturer's specification USDA: 30-40
T-Bends	ASTM D 41453 ASTM D41455	PolyPREMIER: 0T-4T, no loss of adhesion, USDA: 2T-3T, no loss of adhesion, Non-Fogging: 0T-1T single coat or two coats on aluminum, Texture: 1T-2T, system flexibility varies with basecoat selection, Mica/Metallic: 0T-2T depending on resin system, with no loss of adhesion

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For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at coil.sherwin.com. Galvalume® is a registered trademark of BIEC International, Inc.

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