

WEATHERXL™ Coil Coating System

Building a legacy.

Meet WeatherXL, the bigger, bolder version of Valspar's flagship SMP, WeatherX. This cutting-edge new formulation, recognized for its durability, offers even stronger protection against weathering than its predecessor and is capable of enduring extreme conditions. WeatherXL acts as a shield against chalking and fading while preserving its brilliant color and gloss to keep your design striking, year after year.

When you need your design to last, WeatherXL provides first-class resistance to scratching and weathering. This enhanced silicone polyester resin system delivers maximum hardness. Ideal for commercial and residential metal roofing, agricultural and industrial buildings, and metal wall panels, WeatherXL lives up to its reputation.

Benefits

WeatherXL coatings provide a number of unique benefits including:

- Superior weatherability
- Best resistance yet to chalking, fading and scratching for SMP
- Exceptional color and gloss retention
- Outstanding color consistency
- Proven durability

Colors

WeatherXL coatings are available in a wide palette of colors from bright white to jet black many of which are available in Solar Reflective (SR) formulations to meet ENERGY STAR® and LEED qualifications.



Substrates

WeatherXL coatings can be applied to a number of pre-treated substrates:

- Hot-Dip Galvanized (HDG)
- Galvalume®
- Aluminum

End Uses

WeatherXL coatings are ideal for residential and commercial building products including:

- Commercial and residential metal roofing
- Agricultural and industrial metal building components
- Metal wall panels
- Pre-engineered metal building systems
- Siding, gutters and downspouts

TECHNICAL DATA

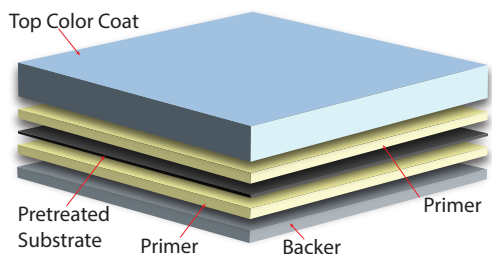
Specular Gloss at 60° ASTM D 523 ²	20 to 80
Pencil Hardness ASTM D 3363	F to 2H
T-Bend ASTM D 4145 ³	2T to 4T ³ with no loss of adhesion
Cross Hatch Adhesion ASTM D 3359	No loss of adhesion
Reverse Impact ASTM D 2794 ³	Galvalume® or HDG: 3x ³ metal thickness inch-pounds, no loss of adhesion Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion
Humidity Resistance 100% RH 1,000 Hours ASTM D 2247 100% RH 2,000 Hours ASTM D 2247	Galvalume® or HDG: No field blisters Aluminum: No field blisters
Salt Spray Resistance 1,000 Hours ASTM B 117 2,000 Hours ASTM B 117	Galvalume® or HDG: Creep from scribe ≤ 1/8 inch (3mm), none or few #8 blisters Aluminum: Creep from scribe ≤ 1/8 inch (3mm), few #8 blisters
South Florida Exposure ASTM D 2244 ASTM D 659 ⁴	Color: No more than 5ΔE Hunter units at 90° vertical angle and 7ΔE nonvertical at 30 yrs Chalk: Rating no less than 8 at 90° angle and 6 at non vertical angle at 30 yrs 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	Total sand = 35 ± 5 liters

APPLICATION CHARACTERISTICS

Application Method	Reverse roll coat
Substrate ¹	Aluminum, HDG or Galvalume®
Dry Film Thickness ASTM D 4138	Top coat: 0.7 to 0.8 mils Primer: 0.2 to 0.3 mils Total system: 0.9 to 1.1 mils
Viscosity ASTM D 4212 (No. 4 Zahn cup)	25 to 45 seconds
Weight per Gallon ASTM D 1475	9.0 to 12.0 pounds per gallon
VOC (Theoretical) ASTM D 3960	3.0 to 4.0 pounds per gallon ⁵
Peak Metal Temperature	420° to 450° F
Contains Lubricant	Yes
MEK Double Rubs ASTM D 5402	150 Plus

WEATHERXL COATING SYSTEM

WeatherXL is a two coat SMP resin system with a total Dry Film Thickness (DFT) of 0.9 to 1.1 mils.



Top coat: 0.7 to 0.8 mils Primer: 0.2 to 0.3 mils
Backer: 0.2 to 0.3 mils

(1) All substrates must be properly pretreated. (2) American Society for Testing and Materials. (3) WeatherXL is not designed to bridge cracks in the substrate. (4) Varies by color. (5) 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 www.valsparcoilextrusion.com.

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