

END USES

Siding and roofing panels for pre-engineered and agricultural metal buildings, gutters and downspouts.



<p>The new WeatherX™ silicone polyester coil coatings from Valspar are ideal for agricultural, industrial, and pre-engineered metal building components and systems.</p> <p>The WeatherX system is recognized for its remarkable color and gloss retention as well as its superior chalk resistance. This exceptional level of silicone polyester performance is due to a unique formulation that combines the durability of ceramic and other select inorganic pigments with the strength of a breakthrough proprietary silicone polyester resin.</p> <p>This two-coat system is highly resistant to stains, abrasion, and metal marking. These features allow the product to endure the physical abuses of fabrication, transit and construction while minimizing cracking and marring.</p>	<p>This two-coat system is available in a wide variety of stock colors including Light Stone, Polar White, Rustic Red, Colony Green, Burnished Slate and Ash Gray. Custom colors and SR formulations are also available. The SR formulations are designed to meet ENERGY STAR® and LEED® guidelines for steep slope roofs, which means they can decrease the amount of money spent on energy to cool the building.</p> <p>While WeatherX is new to the market, it has been thoroughly tested in laboratories and in the field. Warranties are available.</p>
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SUBSTRATE	PRIMER
Aluminum, HDG Steel, Galfan, Galvalume or Zinalume Steel All substrates must be properly pre-treated.	PMY0302

FIELD PERFORMANCE		
Film Integrity: Chalk Resistance: ASTMD 659 ⁽¹⁾ Color Change: ASTM D 2244	Vertical 90° Angle 25 Years: No blistering, peeling, or cracking 20 Years: Rating no less than No. 8 20 Years: No more than 5ΔE (Hunter) units	Non-Vertical (Angle > 15° from vertical) 25 Years: No blistering, peeling, or cracking 20 Years: Rating no less than No. 7 20 Years: No more than 6ΔE (Hunter) units

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.



APPLICATION CHARACTERISTICS⁽²⁾	
Application Method:	Reverse roll coat
Viscosity: ASTM D 4212 (No. 4 ZAHN Cup)	25 to 45 seconds
Weight per Gallon: ASTM D 1475 ⁽²⁾	9.0 to 12.0 pounds per gallon
Solids by Volume: ASTM D 2657 ⁽²⁾	48 % to 60%
Solids by Weight: ASTM D 2369 ⁽²⁾	65% to 75%
Reducing Thinner:	Glycol Ether Acetate
Cleanup Solvent:	Aromatic
Peak Metal Temperature:	420°F to 450° F (216° C to 232° C)
VOC (Theoretical): ASTM D 3960 ⁽²⁾	3.0 to 4.0 pounds per gallon (1.4 to 1.8 kg per liter)
MEK Double Rubs: ASTM D 5402	150, no haze
Contains Lubricant:	Yes
Color Topcoat Dry Film Thickness: ASTM D 4138	0.70 to 0.80 mils
Primer Dry Film Thickness: ASTM D 4138	0.20 – 0.30 mils
System Dry Film Thickness: ASTM D 4138	0.90 to 1.1 mils
PHYSICAL PROPERTIES	
Gloss (60°): ASTM D 523	20 to 80
Pencil Hardness: ASTM D 3363	F to 2H
T-Bend: ASTM D4145	2T to 4T, no loss of adhesion
Cross-Hatch Adhesion: ASTM D 3359	No loss of adhesion
Reverse Impact: ASTM D 2794	Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion Steel: 3x metal thickness inch-pounds, no loss of adhesion
ACCELERATED TEST DATA	
Salt Spray 2,000 Hours: ASTM B 117	Aluminum: Creep from scribe ≤ 1/8 inch (3mm), few #8 blisters
Salt Spray 1,000 Hours: ASTM B 117	HDG and Galvalume: Creep from scribe ≤ 1/8 inch (3mm), none or few #8 blisters
Humidity 100% RH 2,000 Hours: ASTM D 2247	Aluminum: No field blisters
Humidity 100% RH 1,000 Hours: ASTM D 2247	HDG and Galvalume: No field blisters
Water Immersion 100° F 168 Hours: ASTM D 870	No field blisters with minimal color change
Dew Cycle Weatherometer 200 Total Hours ASTM D 3361	Chalk: Rating no less than 8 Color: No more than 5ΔE Hunter units maximum
Acid Resistance: ASTM D 1308, procedure 7.2 ⁽²⁾	10% Hydrochloric Acid Solution, 24 Hour Test – No Visible Change 25% Sodium Hydroxide Solution, 1 Hour Test – No Visible Change
Abrasion Resistance: ASTM D 968	Total Sand = 35 ± 5 Liters

(1)ASTM is the American Society for Testing and Materials. (2) Varies with color and gloss.
For details on health, safety and handling information, Material Safety Data Sheets are available upon request.

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