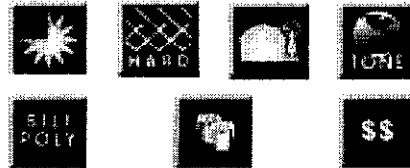




END USES

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> |
|---|--|

| SUBSTRATE | PRIMER |
|---|---------|
| Aluminum, HDG Steel, Galfan, Galvalume or Zincalume Steel | PMY0302 |
| All substrates must be properly pre-treated. | |

| FIELD PERFORMANCE | | |
|---|---|---|
| Film Integrity: Chalk Resistance: ASTM D 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.

For more information, contact Valspar's Coil Coatings Division:

901 North Greenwood Ave. • Kankakee, IL USA 60901 • FAX: 815-936-7811 • Telephone: 815-933-5561 or 888-306-2645
 701 South Shiloh Road • Garland, TX USA 75042-7812 • FAX: 972-487-7245 • Telephone: 972-276-5181 or 800- 406-6480
 347 Central Avenue • Bowling Green, KY USA 42101 • FAX: 502-746-6815 • Telephone: 270-843-4831 or 800-762-2626
 645 Coronation Dr. • West Hill, Ontario Canada M1E 4R6 • FAX: 416- 284-6549 • Telephone: 416-284-1681 or 800-268-4277
 Avenue Central 223 Los Lornas • Guadalupe, N.L. Mexico 67190 • Telephone: 52818-360-2020

www.paintandcolor.com

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