



## END USES

*Ideal for metal roofing panels on buildings that need to maximize energy efficiency and display a beautiful color finish.*

*Excellent for exterior use on metal roofing systems, wall panels, column covers, and brake metal.*



Fluropon SR coatings are field-proven, high performance exterior quality finishes designed to enhance the energy efficiency of buildings. Fluropon SR coatings are available in a wide variety of color hues including standard and custom earth tones, pastels, and restoration colors. Pearlescent and metallic formulations are also available.

Fluropon® SR coatings are premium fluoropolymer coatings contain 70% Kynar 500® or Hylar 5000® resins and solar reflective pigments. This powerful combination provides a durable color coating that resists heat absorption and enables the building to cool down faster. As a result, the air-conditioner does not run as much and energy consumption is decreased. In addition, these coatings reduce urban heat island effect that plague metropolitan areas and the surrounding region.

All Fluropon SR coatings have a minimum solar reflectance value of 0.25. The typical emittance value of these coatings is 0.85 to 0.90 with the exception of metallic or pearlescent colors that typically range from 0.75 to 0.9. All Fluropon SR coatings are formulated to meet ENERGY STAR performance requirements for steep slope roofs. Many of these coatings will also

meet a variety of other local, regional and federal Green Design performance requirements including LEED and CRRG. Fluropon SR coatings provide outstanding protection against the effects of ultraviolet radiation resulting in exceptional color retention, and resistance to chalking and chemical degradation. Fluropon SR coatings are the preferred choice among environmentally responsible architects, building owners, and metal building manufacturers.

All exterior components of aluminum, HDG steel, or Galvalume® that will lend themselves to a factory-applied finish can be coated with Fluropon SR coatings.

Fluropon SR coatings are applied to long-life exterior metal products such as residential and architectural roofing, pre-engineered building panels, louvers, fascia, spandrel paneling, and column covers. The excellent adhesion and flexibility properties of Fluropon SR coatings provide superior post forming performance.

Valspar also offers SR coatings in silicone polyester WeatherX and polyester formulations.

**TO SPECIFY, WRITE:** Factory applied, baked-on 70% Kynar 500 or Hylar 5000 PVDF fluoropolymer resin based Fluropon SR paint coating as manufactured by Valspar.

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.



PHYSICAL AND PERFORMANCE PROPERTIES <sup>(1)</sup>	
Solar Reflective Value ASTM E 903/C 1549 <sup>(2)</sup>	0.25 to 0.72
Emittance Value ASTM E 408/C 1371	Typical: Solid Tones 0.85 to 0.90; Metallics 0.75 to 0.90
Specular Gloss at 60° ASTM D 523	Typical: 10-35
Pencil Hardness ASTM D 3363	HB to 2H
T-Bend ASTM D 4145	0T to 3T <sup>(3)</sup> , No loss of adhesion
Cross Hatch Adhesion ASTM D 3359	No loss of adhesion
Reverse Impact ASTM D 2794	HDG or Galvalume: 3x metal thickness inch-pounds, No loss of adhesion
	Aluminum: 1.5x metal thickness inch-pounds, No loss of adhesion
Humidity Resistance 100% RH 2,000 Hours ASTM D 2247	HDG or Galvalume: no field blisters
	100% RH 3,000 Hours ASTM D 2247
Salt Spray Resistance 1,000 hours ASTM B 117	HDG or Galvalume: creep from scribe no more than 1/16" (2mm), no blisters
	3,000 hours ASTM B 117
South Florida Exposure ASTM D 2244 ASTM D 4214, Method A	Color : No more than 5Δ Hunter units at 20 years <sup>(4)</sup> Chalk: Rating no less than 8 at 20 years Film integrity: 25 years
Flame Test ASTM E 84	Class A coating
Abrasion Resistance ASTM D 968, Method A	65 ± 10 liters
Water Immersion 500° Hours 100 F ASTM D 870	No loss of adhesion
Dew Cycle Weatherometer 1000 Total Hours ASTM D 3361	Color change: : No more than 5Δ Hunter units Chalk: Rating no less than 8

APPLICATION CHARACTERISTICS <sup>(1)</sup>	
Application Method	Reverse roll coat
Substrate	HDG Steel, Aluminum or Galvalume
Total Dry Film Thickness: ASTM D 4138 <sup>(2)</sup>	0.9 to 1.1 mils
Primer: PMY0302	0.2 to 0.3 mils
Color coat	0.7 to 0.8 mils
Viscosity ASTM D 4212 (Number 4 Zahn Cup)	20 to 35 seconds
Weight per Gallon ASTM D 1475	10.0 to 12.0 pounds per gallon <sup>(4)</sup>
Solids by Volume ASTM D 2697	42 ± 4% <sup>(4)</sup>
Solids by Weight ASTM D 2369	52 ± 5% <sup>(4)</sup>
Reducing Thinner	Glycol Ether Acetates or Isophorone
VOC (Theoretical) ASTM D 3960	4.4 to 4.8 pounds per gallon <sup>(4)</sup>
Clean-Up Solvent	Aromatic Ketone blend
Peak Metal Temperature	460°F to 490°F
Flash Point: ASTM D 3278	83°F
Contains Lubricant	Yes
MEK Double Rubs ASTM D 5402	100 Plus

(1) All substrates must be properly pretreated. (2) American Society for Testing and Materials. (3) Fluropon is not designed to bridge cracks in the substrate. Due to variability of heavy gauge and HDG metal, some fracturing or rupturing of the substrate is possible with subsequent rupturing of the coatings. (4) Varies by color.

**For more information, visit [www.paintandcolor.com](http://www.paintandcolor.com) or contact the Valspar Coil Coatings Division:**

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