



END USES

For exterior use on monumental high-rise structures and pre-engineered buildings including roofing systems, wall panels, column covers and brake metal.



Fluoropon® coatings are premium fluoropolymer coatings containing 70% Kynar 500® or Hylar 5000® proprietary resins. Fluoropon coatings are field-proven, high performance exterior quality finishes. They provide outstanding resistance to ultraviolet radiation resulting in exceptional color retention, resistance to chalking and chemical degradation.

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

Fluoropon coatings are applied to long-life exterior products such as pre - engineered

building panels, residential and architectural roofing, louvers, fascia, spandrel paneling and column covers. The excellent adhesion and flexibility properties of Fluoropon provide superior post forming performance to enhance the coated products appearance for years to come.

Fluoropon is available in a wide variety of color hues including standard and custom earth tones, pastels and restoration colors. It is also available in an energy efficient, solar reflective formulation, Fluoropon SR coatings. (For pearlescent, metallic, or bright options, read Fluoropon Classic® II, Fluoropon Classic®, and Fluoropon® Premiere.)

TO SPECIFY, WRITE: Factory applied, baked-on 70% Kynar 500 or Hylar 5000 PVDF fluoropolymer resin based Fluoropon 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⁽¹⁾	
Specular Gloss at 60° ASTM D 523 ⁽²⁾	Typical: 20-35
Pencil Hardness ASTM D 3363	HB to 2H
T-Bend ASTM D 4145	0T to 3T ⁽³⁾ , 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	Aluminum: no field blisters
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	Aluminum: no creep from scribe, no blisters
South Florida Exposure ASTM D 2244 ASTM D 4214	Color : No more than 5Δ Hunter units at 20 years Chalk: Rating no less than 8 at 20 years Film integrity: 25 years
Flame Test ASTM E 84	Class A coating
Water Immersion 500° Hours 100 F ASTM D 870	No loss of adhesion
Dew Cycle Weatherometer 1000 Hrs ASTM D 3361	Color change: : No more than 5Δ Hunter units Chalk: Rating no less than 8
Abrasion Resistance ASTM D 968, Method A	65 ± 10 liters

APPLICATION CHARACTERISTICS⁽¹⁾	
Application Method	Reverse roll coat
Substrate	HDG Steel, Aluminum or Galvalume
Total Dry Film Thickness: ASTM D 4138	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)	25 to 35 seconds
Weight per Gallon ASTM D 1475	10.0 to 12.0 pounds per gallon ⁽⁴⁾
Solids by Volume ASTM D 2697	36 to 42% ⁽⁴⁾
Solids by Weight ASTM D 2369	52 to 56% ⁽⁴⁾
Reducing Thinner	Glycol Ether Acetate or Isophorone
VOC (Theoretical) ASTM D 3960	4.4 to 4.8 pounds per gallon ⁽⁴⁾
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 details on health, safety and handling information, Material Safety Data sheets are available at www.paintandcolor.com.

For more information, visit www.paintandcolor.com or contact the Valspar Coil Coatings Division:
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