



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® Low Gloss (LG) is a premium fluoropolymer coating 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 which makes Fluoropon the preferred choice among architects and metal building manufacturers.

All exterior components of aluminum, HDG steel or Galvalume® that will lend themselves to a factory-applied oven baked 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. (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 Low Gloss paint coating as manufactured by Valspar.



PHYSICAL AND PERFORMANCE PROPERTIES ⁽¹⁾	
Specular Gloss ASTM D 523 ⁽²⁾	Typical: 5-15 at 60°
Pencil Hardness ASTM D 3363	HB to 2H
T-Bend	0T to 2T, No loss of adhesion
Cross Hatch Adhesion:	No loss of adhesion
Reverse Impact	Steel: 2x 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/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/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 – 10 Years South of latitude 27°N @ 45° South 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 Gloss retention: No less than 50% 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 1,000 Hours	Color change: : No more than 5Δ Hunter units Chalk: Rating no less than 8

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 ⁽³⁾
Solids by Volume: ASTM D 2697	36 to 42% ⁽³⁾
Solids by Weight: ASTM D 2369	52 to 56% ⁽³⁾
Reducing Thinner:	Glycol Ether Acetate or Isophorone
VOC (Theoretical): ASTM D 3960	4.4 to 4.8 pounds per gallon ⁽³⁾
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) Varies by color. For details on health, safety and handling information, Material Safety Data sheets are available at www.paintandcolor.com.

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COIL COATINGS			
<p>CHINA No. 838 Jia Xin Road Jiading District Shanghai 201818 People's Republic of China Telephone: 86.21.5990.1345</p>	<p>FINLAND Takkatie 3, PO Box 107 FI-00371 Helsinki Finland Telephone: 358.9.506.091 Facsimile: 358.9.5060.9224</p>	<p>AUSTRALIA 203 Power Street Glendenning NSW 2761 Australia Telephone: 61.2.9839.1115 Facsimile: 61.2.9839.1199</p>	<p>OTHER MANUFACTURING SITES INCLUDE: Pittsburgh PA Montebello CA Sao Bernardo do Campo Brazil Tournus France</p>