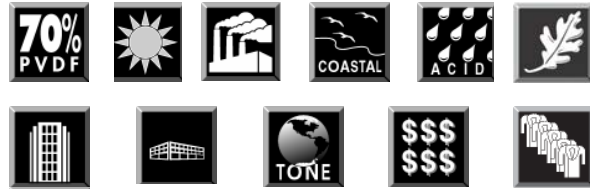




## END USES

Intended for industrial and architectural use when maximum protection is required. Ideal for government, commercial, industrial, coastal, and US Corp of Engineer projects such as power plants, chlorine rooms and sewage treatment facilities.



Flurothane® V coatings are formulated to protect and enhance your building project in extremely harsh environments such as those found in seacoast and industrial locales.

Projects located in these hostile environments need the added protection against salt spray and chemical corrosion that Flurothane V delivers. This system provides excellent flexibility, maximum abrasion and chemical resistance, and superior corrosion protection.

Flurothane V combines two of the most effective coating technologies known to the coil coatings industry, urethane and the fluoropolymer chemistry of a 70% PVDF Kynar 500® or Hylar 5000® resin system.

Flurothane V coatings have proven effective against ultraviolet rays, salt spray, humidity, acid rain, and a wide range of chemicals and other pollutants. Flurothane V resists chalking, fading, chipping, cracking, and dirt. It has excellent gloss retention.

The Flurothane V system has the highest dry film thickness (DFT) of all the Flurothane thick film systems. All Flurothane systems are designed to be applied to properly cleaned and pretreated HDG steel, aluminum-zinc alloys and aluminum.

It is available in a wide variety of standard and custom color hues as well as ENERGY STAR® and LEED® compliant formulations.

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

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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 <sup>(1)</sup>		
Application Method	Reverse roll coat	
Substrate	HDG Steel, Galfan®, Galvalume®, Zinalume® or Aluminum	
Total Dry Film Thickness ASTM D 4138 <sup>(2)</sup>	3.95 mils minimum <sup>(3)</sup> depending on customer requirements	
803X449	0.80 mils to 1.20 mils	
803X449	0.80 mils to 1.20 mils	
803X449	0.80 mils to 1.20 mils	
803X449	0.80 mils to 1.20 mils	
Fluropop Topcoat	0.75 mils	
	<b>PRIMER</b>	<b>FLUROPON TOPCOAT</b>
Viscosity ASTM D 4212 (Number 4 Zahn Cup)	25 to 35 seconds	25 to 35 seconds
Weight per Gallon ASTM D 1475	10.6 ± 0.2 pounds per gallon	10.8 to 11.2 pounds per gallon
Solids by Volume ASTM D 2697	38% to 44%	42% +/- 2% <sup>(3)</sup>
Solids by Weight ASTM D 2369	52% to 55%	52 to 56% <sup>(3)</sup>
Reducing Thinner	Solvesso 150	Isophorone
VOC (Theoretical) ASTM D 3960	4.5 pounds per gallon	5.4 pounds per gallon
Clean-Up Solvent:	Ketone blend	Ketone blend
Contains Lubricant	No	Yes
MEK Double Rubs ASTM D 5402	Less than 100	100

PHYSICAL AND PERFORMANCE PROPERTIES <sup>(1)</sup>	
Specular Gloss at 60° ASTM D 523	5 to 35 at 60°
Pencil Hardness ASTM D 3363	HB to 2H
Flexibility T-Bend ASTM D 4145	2T minimum, 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 4,000 Hours ASTM D 2247	Aluminum, HDG, or Galvalume: No field blisters
Salt Spray Resistance 2,000 Hours ASTM B 117	HDG or Galvalume: Creep from scribe no more than 1/32" (1mm), No field blisters
4,000 Hours ASTM B 117	Aluminum: Creep from scribe no more than 1/32" (1mm), No field blisters
4,016 Hours ASTM D 5895	Aluminum, HDG, or Galvalume: Creep from scribe no more than 1/32" (1mm), No field blisters
Dew Cycle Weatherometer 1,000 Hours Total	Chalk: Rating no less than 8 Color: No more than 5ΔE Hunter color units
Abrasion Resistance ASTM D 968	300 ± 50 liters
Flame Test ASTM E 84	Class A coating
Chemical Resistance ASTM D 1308	
10% Hydrochloric Acid Solution – 24 Hours	No visible changes
20% Hydrochloric Acid Solution – 18 Hours	No bleaching
20% Sulfuric Acid – 18 Hours	No bleaching
25% Sodium Hydroxide – 1 Hour	No color change, No blistering
20% Muriatic Acid – 15 Minute	No color change, No blistering

1) All substrates must be properly cleaned and pretreated. (2) American Society for Testing and Materials. (3) Varies by color, substrate, and applicators requirements.

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

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