



### END USES

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



Flurothane® IV 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 IV delivers. This system provides excellent flexibility, maximum abrasion and chemical resistance, and barrier corrosion protection.

A recipient of the prestigious R&D Award for one of the most outstanding technical achievements in the world in 1989, Flurothane IV combines two of the most effective coating technologies known to the coil coatings industry, urethane and

the fluoropolymer chemistry of Kynar 500® or Hylar 5000® resin.

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

The Flurothane IV film system is thicker than Flurothane II and can applied to properly 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 IV 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.



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> 803x419 <sup>(3)</sup> 803X419 803X419 Topcoat	3.15 mils minimum 0.80 to 1.20 mils 0.80 to 1.2 mils 0.80 to 1.2 mils 0.75 mils nominal	
	PRIMER	TOPCOAT
Viscosity ASTM D 4212 (Number 4 Zahn Cup)	20 to 30 seconds	20 to 35 seconds
Weight per Gallon ASTM D 1475	10.5 to 11.5 pounds per gallon	10.8 to 11.2 pounds per gallon
Solids by Volume ASTM D 2697	43 to 47	38 to 44% <sup>(4)</sup>
Solids by Weight ASTM D 2369	58 to 62	52 to 58% <sup>(4)</sup>
Reducing Thinner	Glycol Ether Acetate	Isophorone
VOC (Theoretical) ASTM D 3960	4.4 pounds per gallon	5.4 pounds per gallon
Clean-Up Solvent:	Aromatic	Ketone blend
Contains Lubricant	No	Yes
MEK Double Rubs ASTM D 5402	100	100

PHYSICAL AND PERFORMANCE PROPERTIES <sup>(1)</sup>	
Specular Gloss at 60° ASTM D 523	5 to 35 at 60°; a 5-15 gloss at 85° is also available
Pencil Hardness ASTM D 3363	HB to 2H
T-Bend ASTM D 4145	1T to 3T 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 in inch-pounds, No loss of adhesion Aluminum: 1.5x metal thickness in inch-pounds, No loss of adhesion
Humidity Resistance 100% RH 4,000 Hours ASTM D 2247	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: No creep from scribe, no field blisters
Dew Cycle Weatherometer 1,000 Hours ASTM D 3361	Chalk: Rating no less than 8 Color: No more than 5ΔE Hunter color units
Field Performance – Outdoor Weathering South Florida Film Integrity ASTM D 4214 ASTM D 2244	25 Years Chalk: Rating no less than 8 at 20 years Color: Rating no more than 5ΔE Hunter color units
Abrasion Resistance ASTM D 968	200 ± 20 liters
Flame Test ASTM E 84	Class A coating

(1) All substrates must be properly pretreated. (2) American Society for Testing and Materials. (3) Use 803X449 for Galvalume or Zinalume. (4) Varies by color and applicators requirements. Material Safety Data sheets are available at [www.paintandcolor.com](http://www.paintandcolor.com).

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

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