



### END USES

Ideal for use on government, commercial, industrial and Corps of Engineer projects when additional thick-film protection is required.



Flurothane® II coatings are formulated to protect and enhance your building project in tough environments. They have proven effective against ultraviolet rays, corrosion, humidity, acid rain, and a wide range of chemicals and other pollutants. Flurothane II resists chalking, fading, chipping, cracking, and dirt. It has excellent gloss retention.

The Flurothane II formulation combines two of the most effective coating technologies known to our industry, urethane and the fluoropolymer chemistry of Kynar 500® or Hylar 5000® resin. It was

recognized as one of the most outstanding technical achievements of 1989 when it received the prestigious R&D 100 Award. They require very little maintenance and will keep your building looking good for years to come.

Flurothane II coatings can be 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 II 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>	1.55 mils minimum	
Primer	0.80 to 1.2 mils	
Color coat	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>(3)</sup>
Solids by Weight ASTM D 2369	58 to 62	52 to 58% <sup>(3)</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; a 5-15 gloss at 85° is also available
Pencil Hardness ASTM D 3363	HB to 2H
T-Bend ASTM D 4145	1 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 2,000 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 1/16" (2mm), 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 in South Florida ASTM D 4214 ASTM D 2244	Chalk: Rating no less than 8 at 20 years Color: No more than 5ΔE Hunter color units at 20 years Film integrity: No loss of adhesion at 25 years
Abrasion Resistance ASTM D 968	100 ± 10 liters
Flame Test ASTM E 84	Class A coating

(1) All substrates must be properly pretreated. (2) American Society for Testing and Materials. (3) Varies by color and applicators requirements. For details on health, safety and handling information, 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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