



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® V coatings are formulated to protect and enhance your building project in extremely harsh environments.

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 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% Kynar 500® or Hylar 5000® resin system.

Flurothane V coatings have proven effective against ultraviolet rays, corrosion, 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 film system is thickest of the Flurothane 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 ⁽¹⁾ | | |
|---|---|--------------------------------|
| Application Method | Reverse roll coat | |
| Substrate | HDG Steel, Galfan®, Galvalume®, Zinalume® or Aluminum | |
| Total Dry Film Thickness ASTM D 4138 ⁽²⁾ | 3.95 mils minimum ⁽³⁾ | |
| 803X449 | 0.80 mils to 1.20 mils | |
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| Fluropon Topcoat | 0.75 mils | |
| | PRIMER | FLUROPON TOPCOAT |
| 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% ⁽³⁾ |
| Solids by Weight ASTM D 2369 | 52% to 55% | 52 to 56% ⁽³⁾ |
| 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 ⁽¹⁾ | |
|--|--|
| 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 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 Divi

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