



FLUROTHANE® SPECIAL



END USES

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



Flurothane Special® coating systems are formulated to resist the effects of weathering in extremely harsh conditions 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 Special delivers. This system provides excellent flexibility, maximum abrasion

and chemical resistance, and barrier corrosion protection.

Flurothane Special is a durable three coat, thick film Kynar 500® or Hylar 5000® PVDF fluoropolymer based coil coating. The total dry film thickness is 2.25 to 2.55 mils.

Flurothane Special coatings are available in a variety of standard and custom colors. They require very little maintenance and will keep your building looking beautiful for years to come.

SUBSTRATE	COATING SYSTEM NOMINAL FILM THICKNESS
Aluminum, HDG Steel, or Galvalume All substrates must be properly pre-treated.	Primer: 0.8 mil Color coat: 0.8 mil Clear coat: 0.8 mil

FIELD PERFORMANCE 20 Years at 45° South	
Film Integrity: Chalk Resistance: ASTM D 4214 Color Change: ASTM D 2244	20 Years: No blistering, peeling, or cracking 20 Years: Rating no less than No. 8 20 Years: No more than 5ΔE (Hunter) units

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.



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PHYSICAL PROPERTIES*	
Gloss (60° Head): ASTM D 523	30 ± 5
Pencil Hardness: ASTM D 3363	HB – H
T-Bend: ASTM D4145	2T, No tape pick off
Resistance to Impact: ASTM D 2794	Steel: 3x metal thickness inch-pound, No cracking or loss of adhesion Aluminum: 1.5x metal thickness inch-pound No cracking or loss of adhesion
Cross-Hatch Adhesion: ASTM D 3359	No loss of adhesion

ACCELERATED TEST DATA*	
Salt Spray 5% salt fog at 95° F: ASTM B 117 4000 Hours 1000 Hours	Aluminum: Creep from scribe ≤ 1/16" (2mm), No more than few No. 8 blisters HDG and Galvalume: Creep from scribe ≤ 1/8" (3mm), No more than few No. 8 blisters
Humidity 100% Relative Humidity: ASTM D 2247 4000 Hours 1500 Hours	Aluminum: No field blisters HDG and Galvalume: No field blisters
Household Chemicals Resistance: ASTM D 1308, Procedure 7.2	Aluminum, HDG, or Galvalume: 10% Muriatic Acid Solution, 15 Minutes – No visible change 20% Sulfuric Acid Solution, 18 Hour Test – No visible change 25% Sodium Hydroxide Solution, 1 Hour Test – No visible change

* Varies with color and applicator's requirement.

For details on health, safety and handling information, Material Safety Data Sheets are available upon request.

TO SPECIFY WRITE: *Factory applied, baked-on fluoropolymer resin based paint coating Flurothane Special.*