

Valspar® is chosen more often than all of the other brands of PVDF-based coatings. Our Flurothane coil coating systems are one of the many reasons why.

These systems include thick-film primers to give the metal underneath superb protection against the harshest industrial and architectural environments. In addition to ensuring a strong adhesion to the substrate, these thick primers also allow for superior adhesion of the topcoat, which provides even more protection of the base metal.

What's more, since each product consists of 70% polyvinylidene fluoride (PVDF) resins, they offer resistance to chemicals, acid rain, humidity and salt to help projects maintain their structural and visual beauty for years to come.

Flurothane II

A two-coat system for light industrial and general commercial projects, such as airports and military facilities, in tough environments that require additional thick-film protection.

Flurothane IV

With four tough coats, Flurothane IV offers even more protection for heavy industrial environments that have a lot of humidity and chemical interaction, such as chemical plants and water treatment plants.

Flurothane V

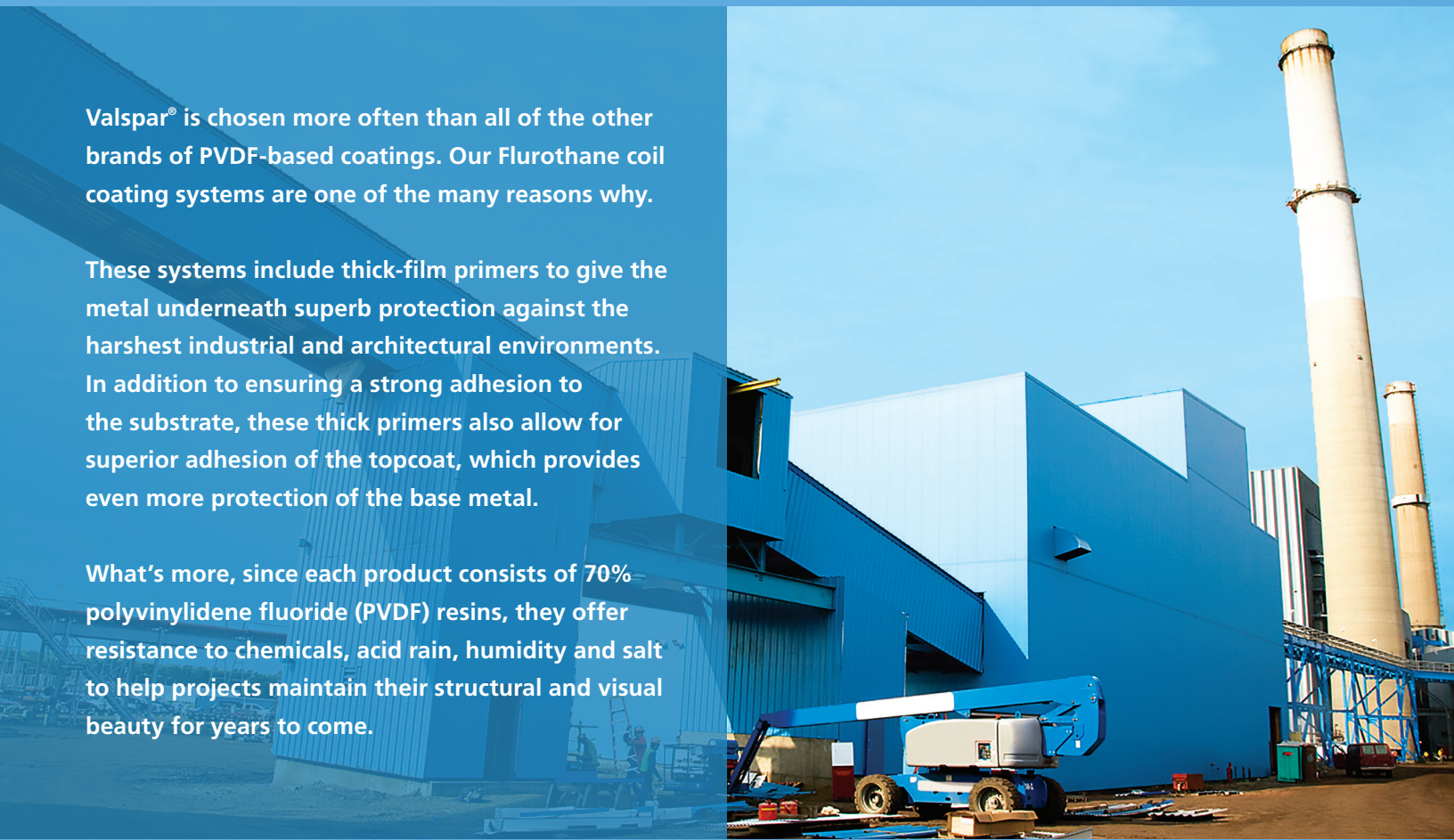
The thickest film for wherever there is a specific primer thickness requirement. Easy to apply and easy to maintain, this five-coat system takes on both natural and man-made elements like chemicals, corrosion, UV and sea salt.

Flurothane Special

Flurothane II offers an additional clear coat for extra color protection. With three coats total, it also resists chemicals, corrosion, UV rays — all of which makes it ideal for weathering the harsh conditions found in coastal and industrial locales.

Flurothane Coastal

This two-coat system uses an innovative thick-film primer to thrive in the most severe coastal environments. If you're planning an industrial, commercial or architectural project within 1,500 feet of the sea, look to Flurothane Coastal to deliver long-lasting protection.



BENEFITS

- Exceptional resistance to sun, rain and other natural elements
- Superior resistance to ultraviolet rays
- Maximum abrasion and chemical resistance
- Outstanding dirt, stain, scratch and chemical degradation resistance
- Tremendous UV protection
- Excellent overall adhesion
- Great flexibility and formability
- Fights chalking, fading and chipping

SUBSTRATES

Coatings in the Flurothane product family may be applied to a number of pre-treated substrates including Galvalume®, aluminum and Hot-Dip Galvanized (HDG) steel.

COLORS AND GLOSS

Flurothane systems are available in a large variety of standard and custom colors, sheens, gloss levels and special effects to achieve nearly any look you can dream up.

END USES

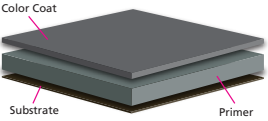
- Flurothane boasts many end uses across its entire product family. Those include but are not limited to:
- Commercial, governmental and industrial products
 - Metal roofing systems, wall covers, column covers and brake metal
 - Power plants, chlorine rooms and sewer treatment facilities

COMMITMENT TO QUALITY — TECHNICAL DATA: FLUROTHANE FAMILY

Our coatings are trusted and field proven through rigorous testing, providing key benefits to our customers.	Coating System	Flurothane II	Flurothane IV	Flurothane V	Flurothane Special	Flurothane Coastal
	Number of Coats	2 coat	4 coat	5 coat	3 coat	2 coat
	Dry Film Thickness (DFT)	DFT: 1.55 - 1.95 mils Color Coat: 0.75 mils Primer: 0.8 - 1.2 mils	DFT: 3.15 - 4.35 mils Color Coat: 0.75 mils Primer: 0.8 - 1.2 mils (x3)	DFT: 3.95 - 5.55 mils Color Coat: 0.75 mils Primer: 0.8 - 1.2 mils (x4)	DFT: 2.4 - 2.7 mils Color Coat: 0.8 - 0.9 mils Primer: 0.8 - 0.9 mils Clear Coat: 0.8 - 0.9 mils	DFT: 1.7 - 2.0 mils Topside: Color Coat: 0.7 - 0.8 mils Primer: 1.0 - 2.1 mils Backside: Primer: 0.4 - 0.5 mils Backer: 0.3 - 0.4 mils
	Industry Specification Compliance	AAMA* 2605-13	AAMA 2605-13	AAMA 2605-13	AAMA 2605-13	AAMA 2605-13
	Substrates	Applied to pretreated substrates Galvalume, aluminum and Hot-Dip Galvanized (HDG) steel				
Excellent scratch and mar resistance.	Abrasion Resistance, ASTM** D 968	100 +/- 10 liters	100 +/- 10 liters	300 +/- 50 liters	100 +/- 10 liters	100 +/- 10 liters
Superior coating adhesion to substrate.	Cross Hatch Adhesion, ASTM D 3359	No loss of adhesion	No loss of adhesion	No loss of adhesion	No loss of adhesion	No loss of adhesion
First-class protection against heat-related damage.	Flame Test, ASTM E 84	Class A	Class A	Class A	Class A	Class A
Outstanding resistance to graffiti.	Graffiti Resistance, ASTM D 6578 / D 6578M	Meets and exceeds	Meets and exceeds	Meets and exceeds	Meets and exceeds	Meets and exceeds
Amazing protection against corrosion caused by humidity and water.	Humidity Resistance – ASTM D 2247 100% RH – 2,000 hrs	2,000 hours: No field blisters	2,000 hours: No field blisters	2,000 hours: No field blisters	2,000 hours: No field blisters	2,000 hours: No field blisters
Long-lasting durability against nature.	Impact Resistance (direct), 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				
Excellent protection against scratches.	Pencil Hardness, ASTM D 3363	HB to 2H	HB to 2H	HB to 2H	HB to 2H	HB to 2H
Tremendous protection against corrosion.	Salt Spray, ASTM D 1654	2,000 and 4,000 hours HDG or Galvalume: Creep from scribe no more than 1/16” (2 mm), no field blisters Aluminum: No creep from scribe, no field blisters	2,000 and 4,000 hours HDG or Galvalume: Creep from scribe no more than 1/32” (2 mm), no field blisters Aluminum: No creep from scribe, no field blisters	HDG or Galvalume: Creep from scribe no more than 1/32” (1 mm), no field blisters HDG and Aluminum: Creep from scribe no more than 1/32” (1 mm), no field blisters Aluminum, HDG or Galvalume: Creep from scribe no more than 1/32” (1 mm), no field blisters	1,000 and 4,000 hours Aluminum: Creep from scribe ≤ 1/16” (2 mm), no more than few #8 blisters HDG and Galvalume: Creep from scribe ≤ 1/8” (3 mm), No more than few no. 8 blisters	2,000 and 4,000 hours HDG or Galvalume: Creep from scribe no more than 1/16” (2 mm), no field blisters Aluminum: No creep from scribe, no field blisters
Exceptional resistance to UV rays, color retention and high film integrity.	South Florida Color, ASTM D 2244 Chalk, ASTM D 4214 Film Integrity, ASTM G7	Color: No more than 5ΔE Hunter color units at 20 yrs Chalk: Rating no less than 8 at 20 yrs Film Integrity: No loss of adhesion at 25 yrs	Color: No more than 5ΔE Hunter color units at 20 yrs Chalk: Rating no less than 8 at 20 yrs Film Integrity: No loss of adhesion at 25 yrs	Color: No more than 5ΔE Hunter color units at 20 yrs Chalk: Rating no less than 8 at 20 yrs Film Integrity: No loss of adhesion at 25 yrs	Color: No more than 5ΔE Hunter color units at 20 yrs Chalk: Rating no less than 8 Film Integrity: No blistering, peeling or cracking	Color: No more than 5ΔE Hunter units at 20 yrs Chalk: Rating no less than 8 at 20 yrs Film Integrity: No loss of adhesion at 20 yrs
Multiple gloss levels providing the desired finish.	Specular Gloss at 60°, ASTM D 523	5 to 35	5 to 35	5 to 35	5 to 35	5 to 35
Great flexibility and formability during the manufacturing process.	T-Bends, ASTM D 4145	1 to 3T minimum, no loss of adhesion	1 to 3T minimum, no loss of adhesion	1 to 3T minimum, no loss of adhesion	1 to 3T minimum, no loss of adhesion	1 to 3T minimum, no loss of adhesion

FLUROTHANE II

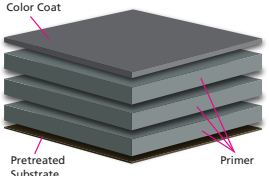
Two-coat PVDF resin system with total Dry Film Thickness (DFT) of 1.55 to 1.95 mils.



Color Coat: 0.75 mils nominal
Primer: 0.8 to 1.2 mils

FLUROTHANE IV

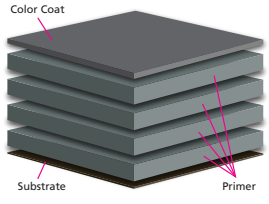
Four-coat PVDF resin system with total Dry Film Thickness (DFT) of 3.15 to 4.35 mils.



Color Coat: 0.75 mils nominal
Primer (803X419): 0.8 to 1.2 mils (x3)

FLUROTHANE V

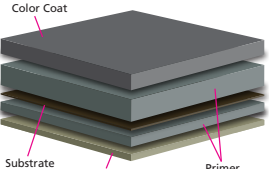
Five-coat PVDF resin system with total Dry Film Thickness (DFT) of 3.95 to 5.55 mils.



Color Coat: 0.75 mils
Primer: 0.8 to 1.2 mils (x4)

FLUROTHANE SPECIAL

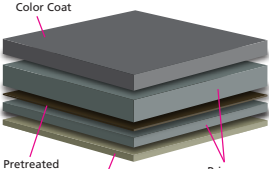
Three-coat PVDF resin system with total Dry Film Thickness (DFT) of 2.4 to 2.7 mils.



Color Coat: 0.8 to 0.9 mils
Primer: 0.8 to 0.9 mils
Clear Coat: 0.8 to 0.9 mils

FLUROTHANE COASTAL

Two-coat system with total Dry Film Thickness (DFT) of 1.7 to 2.0 mils.



Topside:
Color Coat: 0.7 to 0.8 mils
Primer (803X900): 1.0 to 1.2 mils
Backside:
Primer (803X900): 0.4 to 0.5 mils
Backer (PMA0507): 0.3 to 0.4 mils

TECHNICAL DATA: All test parameters noted are at optimal dry film thickness only.

*American Architectural Manufacturers Association. **American Society for Testing and Materials.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at www.valsparcoilextrusion.com.

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AT YOUR SERVICE

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