

## FLUROTHANE® COASTAL Coil Coating System

# Designed for the Harshest Coastal Environments

Flurothane® Coastal coatings are a premium fluoropolymer (PVDF) system developed for use in the most extreme coastal environments (i.e. less than 1500' from the coastline). What makes this system unique is the use of an innovative thick film primer.

### Benefits

Flurothane Coastal system is field-proven and provides a high performance exterior finish. The system delivers outstanding resistance to ultraviolet rays, exceptional color retention and resistance to chalking from salt spray and harsh coastal environments.

### Colors

Flurothane Coastal coatings are available in a wide variety of colors, including energy efficient Solar Reflective (SR) formulations and Mica/Metallic finishes.

### Substrates

Flurothane Coastal coatings can be applied to a variety of substrates:

- Hot-Dip Galvanized (HDG)
- Galvalume®
- Aluminum

### End Uses:

Flurothane Coastal is an ideal solution for:

- Roof panel systems
- Wall panel systems



### Coastal Warranty 20/20/20\*

Flurothane Coastal coatings offer outstanding warranty coverage:

- 20 years for film integrity
- 20 years for color/fade
- 20 years for chalk

\*Certain warranty conditions apply. Excludes failure due to substrate corrosion. Check warranty agreement for details.

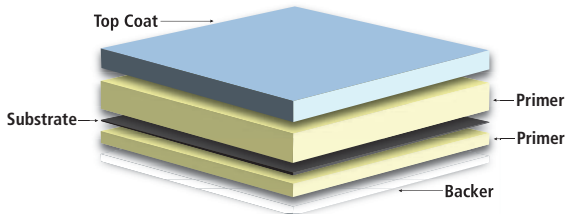
Flurothane Coastal coating system is the solution to the challenge of salt spray and harsh coastal environments.

# FLUROTHANE® COASTAL Coil Coating System

<b>TECHNICAL DATA</b>	Specular Gloss at 60° ASTM D 523 <sup>2</sup>	Typical: 5-35; a 5-15 gloss at 85° is also available		
	Pencil Hardness ASTM D 3363	HB to 2H		
	T-Bend ASTM D 4145 <sup>3</sup>	1T to 3T <sup>3</sup> with no loss of adhesion		
	Cross Hatch Adhesion ASTM D 3359	No loss of adhesion		
	Reverse Impact ASTM D 2794 <sup>4</sup>	HDG or Galvalume®: 3x <sup>5</sup> metal thickness in inch-pounds, No loss of adhesion Aluminum: 1.5x <sup>5</sup> 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 4,000 Hours ASTM B 117	HDG or Galvalume®: creep from scribe no more than 1/16" (2mm), no field blisters Aluminum: no creep from scribe, no field blisters		
	South Florida Exposure ASTM D 2244 ASTM D 4214	Color: No more than 5ΔE Hunter units at 20 years Chalk: Rating no less than 8 at 20 years Film integrity: 20 years, no loss of adhesion		
	Flame Test ASTM E 84	Class A coating		
	Water Immersion 500° hours 100 F ASTM D 870	No loss of adhesion		
	Dew Cycle Weatherometer 1,000 hours ASTM D 3361	Color: No more than 5ΔE Hunter units Chalk: Rating no less than 8		
	Abrasion Resistance ASTM D 968	100 ± 10 liters		
	<b>APPLICATION</b>	Application Method	Reverse roll coat	
		Substrate <sup>6</sup>	Aluminum, HDG or Galvalume	
Viscosity ASTM D 4212 (No. 4 Zahn cup)		Primer: 20 to 30 seconds	Topcoat: 20 to 35 seconds	
Weight per Gallon ASTM D 1475		Primer: 10.5 to 11.5 pounds per gallon	Topcoat: 10.8 to 11.2 pounds per gallon <sup>4</sup>	
Solids per Volume ASTM D 2697		Primer: 43 to 47%	Topcoat: 38 to 44% <sup>4</sup>	
Solids per Weight ASTM D 2369		Primer: 58 to 62%	Topcoat: 52 to 58% <sup>4</sup>	
Reducing Thinner		Primer: Glycol Ether Acetate	Topcoat: Isophorone	
VOC (Theoretical) ASTM D 3960		Primer: 4.4 pounds per gallon	Topcoat: 5.4 pounds per gallon <sup>4</sup>	
Clean-Up Solvent		Primer: Aromatic	Topcoat: Ketone blend	
Contains Lubricant		Primer: No	Topcoat: Yes	
MEK Double Rubs ASTM D 5402	Primer: 100	Topcoat: 100		

## FLUROTHANE® COASTAL

Flurothane Coastal coatings are a two coat system with a Total Dry Film Thickness (DFT) of 1.7 to 2.0 mils



<b>Topside:</b>	Topcoat: 0.70 to 0.80 mils Primer (803X900): 1.00 to 1.20 mils
<b>Backside:</b>	Primer (803X900): 0.40 to 0.50 mils Backer (PMA0507): 0.30 to 0.40 mils

(1) All substrates must be properly pretreated. (2) American Society for Testing and Materials. (3) Flurothane Coastal system is not designed to bridge cracks in the substrate. (4) Varies by color. (5) Flurothane Coastal system will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pretreatment applications can lead to diminished flexibility.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at [www.valsparcoil.com](http://www.valsparcoil.com).

Flurothane® Coastal is a registered trademark of The Valspar Corporation. Galvalume® is a registered trademark of BIEC International, Inc.

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