



FORMULATED TO WITHSTAND THE HARSHEST COASTAL ENVIRONMENTS

Flurothane® Coastal from Sherwin-Williams is a two-coat system that 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 coastline, look to Flurothane Coastal - a premium fluoropolymer 70% PVDF system - to deliver long-lasting protection.

BENEFITS

The Flurothane Coastal coating system is field-proven and provides a high-performance exterior finish, as well as the following unique benefits:

- Outstanding resistance to UV rays
- Exceptional color retention
- 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, including:

- 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*

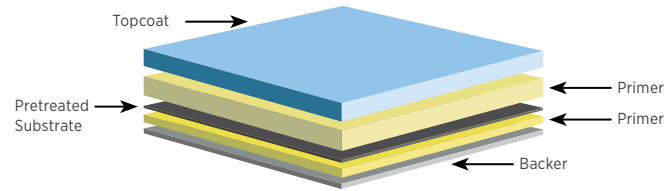
- 20 years for film integrity
- 20 years for color/fade
- 20 years for chalking

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



COMMITMENT TO QUALITY

Our coatings are trusted and field-proven through rigorous testing – providing key benefits to our customers.



PVDF COIL COATING SYSTEM

Number of Coats	Dry Film Thickness (DFT)		Total Topside DFT:	Backside	
	Primer	Topcoat		Primer	Backer
2-Coat	1.0-1.2 mils	0.7-0.8 mils	1.7-2.0 mils	0.4-0.5 mils	0.3-0.4 mils

FLUROTHANE® COASTAL PERFORMANCE TESTING

Industry Specifications Compliance	AAMA ¹ 2605-17A Requirements	Voluntary Specification, Performance Requirements, and Test Procedures for High-Performing Organic Coatings on Architectural Aluminum Extrusions and Panels
	AAMA 621-02 Requirements	Voluntary Specification for High Performance Organic Coatings on Coil Coated Architectural Hot Dipped Galvanized (HDG) and Zinc-Aluminum Coated Steel
Substrate	Pretreated substrates: Galvalume®, Hot-Dipped Galvanized (HDG) steel, and aluminum	

PHYSICAL TESTING	ASTM ² TEST METHOD	AAMA REQUIRED TEST METHOD
Abrasion Resistance	ASTM D968	100 ± 10 liters
Dew Cycle Weatherometer	ASTM D3361: 1,000 Hours	Color: No more than 5ΔE Hunter units Chalk: Rating no less than 8
Cross Hatch Adhesion	ASTM D3359	Pass, no loss of adhesion
Flame Test	ASTM E84	Flame Test Index: Class A coating
Humidity Resistance	ASTM D2247: Humidity 100% RH for 2,000 Hours	No field blisters
Pencil Hardness	ASTM D3363	HB to 2H
Impact Resistance (Direct)	ASTM D2794	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
Salt Spray Resistance	ASTM B117: 2,000 Hours 4,000 Hours	HDG or Galvalume: Creep from scribe ≤ 1/16" (2mm), no field blisters Aluminum: No creep from scribe, no field blisters
Specular Gloss 60°	ASTM D523	5-35
T-Bends	ASTM D4145 ³	1T- 3T minimum, no loss of adhesion
Water Immersion	ASTM D870: 100°F for 500 Hours	No loss of adhesion

SOUTH FLORIDA EXPOSURE TESTING

ASTM TEST METHOD	AAMA REQUIRED TEST METHOD	
Chalk	ASTM D4214	Rating no less than 8 at 20 years
Color	ASTM D2244	No more than 5ΔE Hunter units at 20 years
Film Integrity	ASTM G7	No loss of adhesion at 20 years

¹American Architectural Manufacturers Association. ²American Society for Testing and Materials. ³Flurothane is not designed to bridge cracks in the substrate. Flurothane coatings 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 coil.sherwin.com. Flurothane® is a registered trademark of Sherwin-Williams.

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