



## HARD TO BEAT DURABILITY

Sherwin-Williams formulated the Fluropon® Marine 70% PVDF coating system to protect aluminum from marine environments. Salt air coupled with high temperatures and humidity are some of the most damaging environmental elements to aluminum architectural building components.

The thick-film Fluropon Marine primer can be used in a variety of 70% PVDF systems, ranging from 2-4 coats. The primer provides enhanced corrosion resistance versus standard systems.

### BENEFITS

Fluropon Marine coatings provide a number of unique benefits including:

- Excellent resistance to ultraviolet rays
- Exceptional long-term color retention and chalk resistance
- Can withstand extreme temperature variations
- Advanced protection against substrate corrosion

### COLORS

Fluropon Marine coating systems are available in any Fluropon color with a corrosion-resistant primer.

### SUBSTRATES

Fluropon Marine coatings can be applied to aluminum panels and extrusions.

### PRE-TREATMENT

Pre-treatment should be minimum 100 mg/sqft per ASTM D 5723.

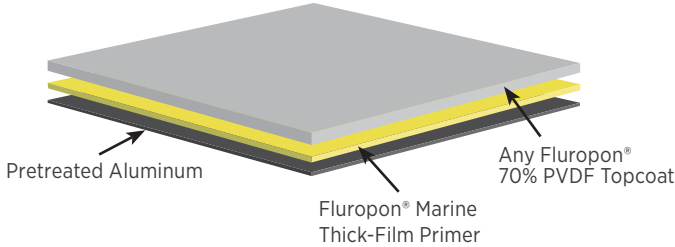
### TO SPECIFY

To specify, please include Fluropon® color code and clearly state that a Fluropon Marine primer is required.



# COMMITMENT TO QUALITY

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



## FLUROPON® MARINE EXTRUSION COATING SYSTEM

Number of Coats	Primer
2-4 coats	0.6–0.8 mils

## APPLICATION CHARACTERISTICS

Application Method	Conventional or electrostatic spray
Primer	0.6-0.8 mil DFT

Fluropon Marine systems consist of an anti-corrosive, thick-film primer with a Fluropon 70% PVDF topcoat. The test information below applies to the entire Fluropon Marine system.

PHYSICAL TESTING	ASTM <sup>2</sup> TEST METHOD	AAMA <sup>1</sup> 2605-17 REQUIRED TEST RESULT
Falling Sand Abrasion	ASTM D968	Minimum 40 liters of sand per mil of coating
Film Adhesion (Dry, Wet, Boiling Water)	ASTM D3359	No removal of film under tape in the cross-hatched area
Surface Burning Characteristics	ASTM E84	Flame Spread Index: Class A. Smoke Developed Index: Class A
Humidity Resistance	ASTM D2247: 100% Relative Humidity at 100°F for 4,000 hours ASTM D2247, ASTM D714	Rating 8: No more than "few" field blisters at 4,000 hours, 100% Humidity, 100°F
Impact Resistance	ASTM D2794	Direct impact minimum deformation 3 mm +/- 0.3 mm - No removal of film from substrate
Pencil Hardness	ASTM D3363	F Minimum, Berol Eagle Turquoise
Cyclic Corrosion	ASTM G85, Annex 5: 2,000 hours	Creep from scribe or edge no more than 1/16th inch (2mm) Rating: 7; Field Blister Rating: 8
Chemical Resistance	Mortar Resistance (ASTM C207), Muriatic Acid (AAMA 2605-17 Sec. 8.7.1), Nitric Acid (ASTM D2244), Detergent Resistance (ASTM D2244), and Window Cleaner (AAMA 2605-17 Sec. 8.7.5)	No loss of adhesion, blistering, or visually apparent change after exposure

## SOUTH FLORIDA EXPOSURE TESTING

ASTM TEST METHOD	AAMA 2605-17 REQUIRED TEST RESULT	
Atmospheric Environmental Exposure Testing of Non-Metallic Materials	ASTM G7	45 degree southern exposure for panel racking
Color	ASTM D2244	No more than 5Δ Hunter units at 10 years
Chalk	ASTM D4214	Number 8 rating for colors, number 6 rating for whites at 10 years
Gloss Retention	ASTM D523	50% minimum gloss retention at 10 years
Erosion Resistance	AAMA 2605-17 Sec 8.9.1.5	10% maximum film loss at 10 years

<sup>1</sup>American Architectural Manufacturers Association. <sup>2</sup>American Society for Testing and Materials.

For details and health, safety, and handling information, Material Safety Data Sheets (MSDS) are available at [coil.sherwin.com](http://coil.sherwin.com). Fluropon® is a registered trademark of Sherwin-Williams.

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