

## FLUROPON® Extrusion Coating System

# Fluropon® PVDF 100% trusted

Fluropon coatings are premium fluoropolymer systems comprised of 70% Polyvinylidene Fluoride (PVDF) proprietary resins, ceramic pigments and other select inorganic pigments. These coatings are field-proven, high performance exterior quality finishes that meet or exceed all AAMA 2605 performance requirements. The powerful chemical bond of the system provides superior resistance to ultraviolet rays resulting in exceptional color and gloss retention, and resistance to chalking and chemical degradation.

Fluropon coatings enhance the finished product's appearance for years to come, which is why Fluropon is the preferred choice among architects and building component manufacturers.

Fluropon coatings are also available in energy efficient Solar Reflective (SR) formulations that meet LEED and ENERGY STAR® program requirements.

### Benefits

Fluropon coatings provide a number of unique benefits including:

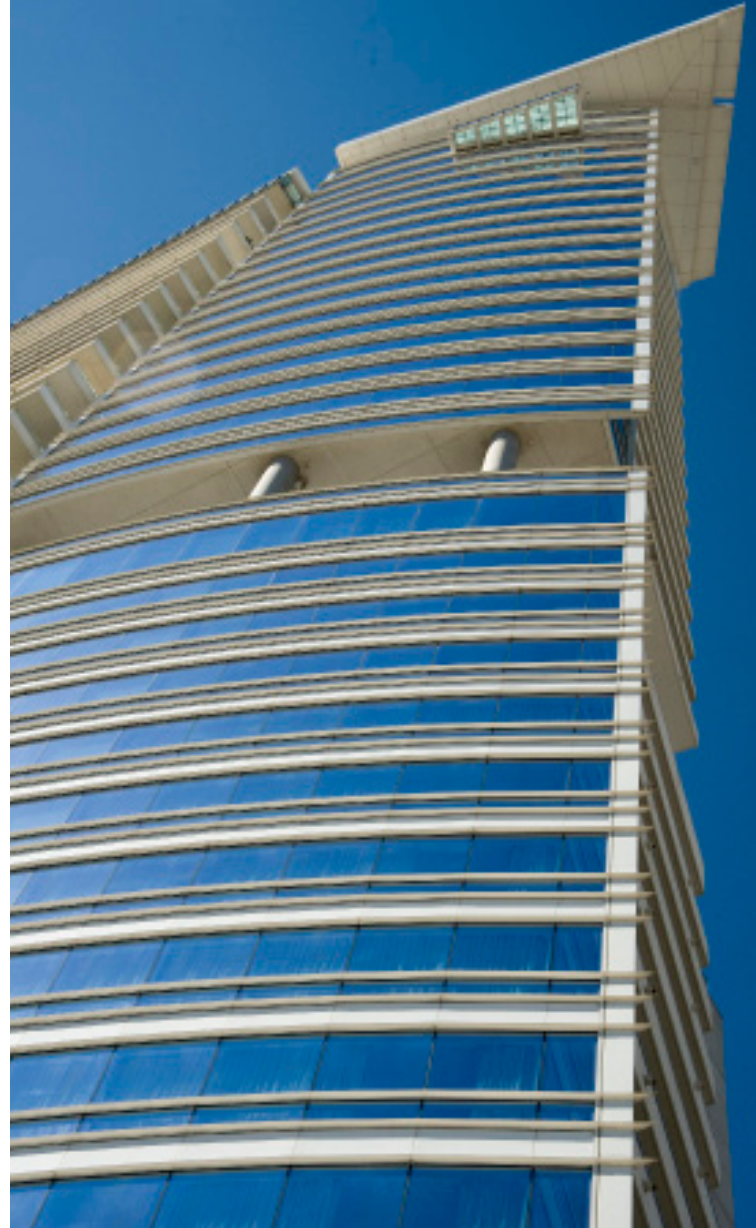
- Superior resistance to ultraviolet rays
- Outstanding color retention and consistency
- Excellent overall adhesion
- Great flexibility and formability

### Colors

Fluropon coatings are available in a wide variety of colors including standard and custom earth tones, pastels and exotic colors.

### Substrates

Fluropon coatings can be applied to aluminum panels and extrusions.



### End Uses:

Fluropon coatings are ideal for long-life external use on monumental high-rise structures and pre-engineered buildings, including:

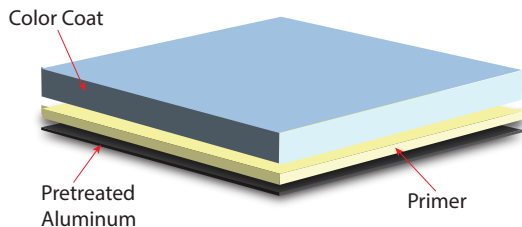
- Architectural curtain walls, louvers and grills
- Aluminum panels and extrusions
- Architectural soffits, fascia, mullions and column covers
- Residential and architectural windows, skylights and door and access systems

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DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Industry Specification AAMA 2605-13 <sup>1</sup>	Meets or exceeds all sections <sup>2</sup>
	Specular Gloss at 60° ASTM D 523 <sup>2</sup>	Typical: 25-35 (Medium)
	Pencil Hardness ASTM D 3363	F minimum
	Film Adhesion	Pass
	Impact Resistance	Pass
	Abrasion Resistance ASTM D 968	Pass
	Chemical Resistance	Pass
	Humidity Resistance 100% RH 4,000 Hours ASTM D 2247	Rating 8: No more than a few field blisters per figure no. 4, ASTM D 714
	Prohesion 2,000 Hours: ASTM G 85 Annex A5	Creep from scribe or edge no more than 1/16"(2 mm) Rating: 7 Field Blister Rating: 8
	South Florida Exposure ASTM D 2244 ASTM D 4214	Color: No more than 5Δ Hunter units at 10 years Chalk: Rating no less than 8 at 10 years Gloss Retention: No less than 50% Erosion Resistance: Less than 10%
Flame Test ASTM E 84	Class A coating	
APPLICATION	Application Method	Conventional or electrostatic spray
	Substrate <sup>3</sup>	Aluminum only
	Dry Film Thickness ASTM D 7091	Color Coat: 1.0-1.3 mils Primer: 0.2-0.4 mils Total system: 1.2-1.7 mils minimum
	Viscosity ASTM D 562 (Stormer)	65 to 75 KU
	Weight per Gallon ASTM D 1475	9.8 to 10.2 pounds per gallon (4.4 kg to 4.62 kg per liter) <sup>4</sup>
	Solids per Volume ASTM D 2697	28% to 32% as supplied <sup>4</sup>
	Solids per Weight ASTM D 2369	41% to 45% as supplied <sup>4</sup>
	Reducing Thinner 80/20 Blend	Xylol, butyl carbitol
	VOC (Theoretical) ASTM D 3960	5.5 to 5.9 pounds per gallon <sup>4</sup>
	Clean-Up Solvent	MEK
Recommended Bake Temperature	450° F for 10 minutes	
Flash Point: ASTM D 3278	70° F	

## FLUROPON® COATING SYSTEM

Fluropon is a two-coat PVDF resin system with a total Dry Film Thickness (DFT) of 1.2 - 1.7 mils.



Color Coat: 1.0-1.3 mils    Primer: 0.2-0.4 mils

(1) American Architectural Manufacturers Association's ten year superior performing specification with increased performance to AAMA 2605. (2) Applied in accordance with Valspar technical specification sheet on properly pretreated aluminum surfaces. (3) American Society for Testing and Materials. (4) Recommended for most colors.

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

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