



# FIRST OF ITS KIND IN THE COIL COATING INDUSTRY

We believe it's our responsibility to protect future generations. That's why Sherwin-Williams formulated Fluropon® Pure with material transparency with both the environment and our grandchildren in mind.

Fluropon Pure is designed to be applied to galvalume, hot-dip galvanized and aluminum substrates for coil applications; metal roofing and wall panels. It's ideal for buildings with rigorous environmental requirements or anywhere you may desire a greener product.

Use Fluropon Pure in your LEED v4 and Living Building Challenge projects and maintain all the capabilities of our original Fluropon family of coatings, including energy-efficient cool roof formulations. The brand you know and trust.

## BENEFITS

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

## COLORS

Fluropon Pure system is available in a wide range of colors, sheens, gloss levels and special effects to achieve nearly any look you can dream up.

## SUBSTRATES

Fluropon Pure can be applied to a number of pretreated substrates including: Galvalume®, Hot-Dipped Galvanized (HDG) steel, and aluminum.

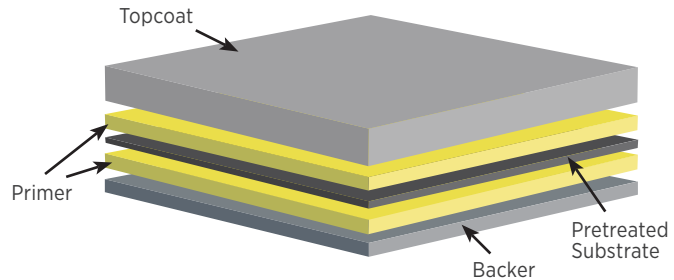
## END USES

Fluropon Pure coating is ideal for external use on monumental, commercial, residential structures and pre-engineered buildings, including:

- Architectural and residential metal roofing systems
- Composite and insulated metal wall panel systems

# COMMITMENT TO QUALITY

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



## 70% PVDF COIL COATING SYSTEM

Number of Coats	Dry Film Thickness (DFT)		Total Topside DFT:	Backer
	Primer	Topcoat		
2-Coat	0.2-0.3 mils	0.7-0.8 mils	0.9-1.1 mils	0.3-0.4 mils

## FLUROPON® PURE PERFORMANCE TESTING

Industry Specifications Compliance	AAMA' 2605-17A Requirements	Voluntary Specification, Performance Requirements and Test Procedures for High-Performing Organic Coatings on Architectural Aluminum Extrusions and Panels
Substrates	Pretreated Galvalume, Hot-Dipped Galvanized (HDG) steel and aluminium	
Pretreatment	Contact Sherwin-Williams for approved chrome-free pretreatment	

PHYSICAL TESTING	ASTM <sup>2</sup> TEST METHOD	AAMA' 2605-17A REQUIRED TEST RESULT
Falling Sand Abrasion	ASTM D 968	65 ± 10 liters
Film Adhesion	ASTM D 3359	No removal of film under tape in the cross-hatched area. (Dry, Wet, Boiling Water)
Surface Burning Characteristics	ASTM E 84	Flame Spread Index: Class A. Smoke Developed Index: Class A.
Graffiti Resistance	ASTM D 6578/D 6578M	Meets and exceeds
Humidity Resistance	ASTM D 2247: 100% RH at 100° F for 2,000 hours 100% RH at 100° F for 3,000 hours	Galvalume or HDG: No field blisters Aluminum: No field blisters
Impact Resistance (direct)	ASTM D 2794	Galvalme or HDG: 3x metal thickness inch-pound, no loss of adhesion Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion
Pencil Hardness	ASTM D 3363	HB to 2H.
Specular Gloss 60°	ASTM D 523	20-35
T-Bends	ASTM D 4145 <sup>3</sup>	1T-3T, no loss of adhesion.

## SOUTH FLORIDA EXPOSURE TESTING 45 degree southern exposure for panel racking

Color	ASTM D 2244	No more than 5Δ Hunter units at 20 years.
Chalk	ASTM D 4214	Number 8 rating at 20 years.
Film Integrity	ASTM G 7	25 years.

<sup>1</sup>American Architectural Manufacturers Association. <sup>2</sup>American Society for Testing and Materials. <sup>3</sup>Fluropon is not designed to bridge cracks in the substrate. Fluropon 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](http://coil.sherwin.com). Fluropon® is a registered trademark of Sherwin-Williams. Galvalume® is a registered trademark of BIEC International, Inc.

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