



FLUROPON® 70% PVDF COATINGS FROM SHERWIN-WILLIAMS

Sherwin-Williams® is chosen more often than any other brands of PVDF-based coatings. For PVDF exterior metal coatings systems, none is more trusted than our premium Fluoropon coatings, which are fluoropolymer, containing 70% polyvinylidene difluoride (PVDF) resins. Field- and time- proven, they meet or exceed the most rigorous ASTM performance standards.

KEEP YOUR PROJECT LOOKING BEAUTIFUL

The long-lasting beauty of your project goes hand in hand with its durability.

■ Fluoropon

Our flagship coating. Its excellent performance is a direct result of Sherwin-Williams' innovative technology—a two-coat fluoropolymer formulation that continually exceeds performance needs while maintaining its color and durability long into the future.

■ Fluoropon Classic II

When a sparkle appearance is desired, this two-coat fluoropolymer system utilizes mica-based pigmentation to deliver a subtle or bold metallic appearance without the need for a clear coat.

■ Fluoropon Classic

Take vibrancy to a new performance level with a special metallic effect color coat and a clear coat for added shine and protection, making this three-coat system gleam.

■ Fluoropon Low-Gloss

A low gloss finish is a unique exterior finish that gives your building a distinctively matte appearance.

■ Fluoropon Low-Sheen

A low sheen coating gives you a flat or "satin" finish. This two-coat system will make your project stand out.

■ Fluoropon Premiere

Need to make a statement with bold and bright colors? This three-coat system is designed to bring out depth and beauty of bright pigments with a clear coat for added protection.

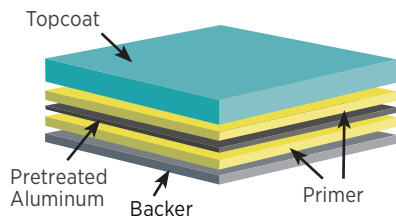
■ Fluoropon Solar-Reflective (SR)

Fluoropon SR contains solar-reflective pigments, offering durability that resists heat absorption and aids in structure cooling. We have thousands of SR's energy efficiency coatings that meet LEED® and CRRC performance requirements.

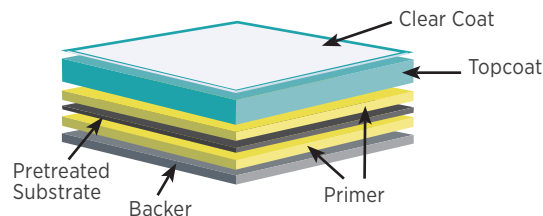
■ Fluoropon Effects

Fluoropon Effects transform the concept of color with innovative new palettes that have never before been achieved in 70% PVDF coating systems. These two- to three-coat systems create unique, mesmerizing effects. Kameleon creates an eye-catching color shift; Nova offers an intense sparkle.

**FLUROPON®
TWO-COAT SYSTEM**
Fluropon, Classic II, Low Gloss, Low Sheen
and Solar Reflective (SR)



**FLUROPON®
THREE-COAT SYSTEM**
Classic and Premiere



COMMITMENT TO QUALITY

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

COATING SYSTEM	Key Characteristics	Number of Coats	Dry Film Thickness (DFT)				Total Topside DFT:	Primer & Backer	Specular Gloss 60°
			Primer	Top Coat	Clear Coat	Fluropon® Effects Coat			+/-5 units of manufacturer's specification
FLUROPON®	Solid Colors	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.5-0.7 mils	20-35
FLUROPON® CLASSIC II	Metallic Utilizing Mica-Based Pigmentation	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.5-0.7 mils	15-30
FLUROPON CLASSIC	Metallic Utilizing Aluminum-Based Pigmentation	3-Coat	0.2-0.3 mils	0.7-0.8 mils	0.4-0.5 mils		1.3-1.7 mils	0.5-0.7 mils	25-40
FLUROPON PREMIERE	Bright, Vibrant Colors	3-Coat	0.2-0.3 mils	0.7-0.8 mils	0.4-0.5 mils		1.3-1.6 mils	0.5-0.7 mils	25-40
LOW-GLOSS	Matte Finish	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.5-0.7 mils	8-15
LOW-SHEEN	Flat or "Satin" Finish	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.5-0.7 mils	10° maximum
SOLAR REFLECTIVE (SR)	Solar-reflective pigments	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.5-0.7 mils	20-35
FLUROPON® EFFECTS NOVA	High-Intensity Sparkle	3-Coat	0.2-0.3 mils	0.7-0.8 mils		0.8-0.9 mils	1.7-2.1 mils	0.5-0.7 mils	40-60
FLUROPON® EFFECTS KAMELEON	Color-Shifting	3-Coat	0.2-0.3 mils	0.5-0.6 mils		0.8-0.9 mils	1.5-1.9 mils	0.5-0.7 mils	30-60

Fluropon® is a registered trademark of The Sherwin-Williams Corporation. For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at coil.sherwin.com. Galvalume® is a registered trademark of BIEC International, Inc.

SHERWIN-WILLIAMS
Coil Coatings

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BENEFITS

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

COLORS

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

SUBSTRATES

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

END USES

All Fluropon coatings are 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

FLUROPON PERFORMANCE TESTING

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

PHYSICAL TESTING	ASTM ² TEST METHOD	AAMA 621-02 & 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 1,000 hours 100% RH at 100° F for 2,000 hours 100% RH at 100° F for 3,000 hours	Kamelelon: Galvalume or HDG: Rating 8, no more than a few field blisters. Galvalume or HDG: No field blisters Aluminum: No field blisters
Impact Resistance (Direct)	ASTM D 2794	Galvalume or HDG: 3x metal thickness inch-pounds, no loss of adhesion Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion.
Pencil Hardness	ASTM D 3363	Fluropon®, Classic II, Low Gloss, Low Sheen, SR: HB to 2H Premiere, Classic, Nova, Kamelelon: HB to H
Salt Spray	ASTM B 117: 1,000 Hours 3,000 Hours	Fluropon, Classic II, Premiere, Low Gloss, Low Sheen, SR, Nova, Kamelelon: Galvalume or HDG: Creep from scribe ≤ 1/16" (2mm), no field blisters. Classic: Galvalume or HDG: Creep from scribe ≤ 1/32" (1mm), no blisters. Fluropon, Classic II, Low Gloss, Low Sheen, SR, Nova, Kamelelon: Aluminum: Creep from scribe ≤ 1/16" (2mm), no field blisters. Premiere, Classic: Aluminum: Creep from scribe ≤ 1/32" (1mm), no blisters.
T-Bends	ASTM D 4145 ³	T-3T, no loss of adhesion

SOUTH FLORIDA EXPOSURE TESTING

	ASTM TEST METHOD	AAMA 621-02 & 2605-17A REQUIRED TEST RESULT
Color	ASTM D 2244	No more than 5Δ Hunter units at 20 years.
Chalk	ASTM D 4214	Rating no less than 8 at 20 years. Kamelelon: Rating no less than 8 at 10 years.
Film Integrity	ASTM G7	25 years
Erosion Resistance	ASTM D 662	10% - 15%.

¹American Architectural Manufacturers Association. ²American Society for Testing and Materials. ³Fluropon 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.



DO YOU HAVE A **UNIQUE** APPLICATION?

We'll work with you to find a solution. Want a unique color? We'll create it for you. Need a quick turnaround? Talk to us, and we'll help you get your project completed on time.

WE'RE HERE TO HELP

Give us a call and see how we can help with your next project.

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