



WHEN VIVID RICH COLOR AND HIGH GLOSS ARE REQUIRED, LOOK TO VALFLON®

from Sherwin-Williams, the most trusted brand of architectural coatings. With Valflon, you can have coatings with colors that are deep and rich, bright and vibrant plus high gloss—a combination not normally seen in the architectural industry.

That characteristic makes them ideal for establishments recognized by their colors, such as restaurants, auto dealerships, corporate facilities, architectural structures and more.

Valflon is a fluoropolymer (FEVE) resin-based coating that is highly resistant to weathering, airborne chemicals, acid rain and most cleaning solvents used to remove graffiti. Additionally, Valflon is available in two- and three-coat systems, and can be formulated to high-gloss levels up to 80.

BENEFITS

- Outstanding color consistency
- Protection against weathering, chalking and fading
- Exceptional resistance to airborne chemicals, acid rain and cleaning solvents
- Excellent overall adhesion
- Great flexibility and formability

COLORS AND GLOSS

Valflon coatings are available in a wide range of rich vibrant colors, high-gloss levels and special effects to achieve nearly any look you can imagine.

SUBSTRATES

May be applied to pretreated Galvalume®, aluminum and hot-dip galvanized (HDG) steel.

END USES

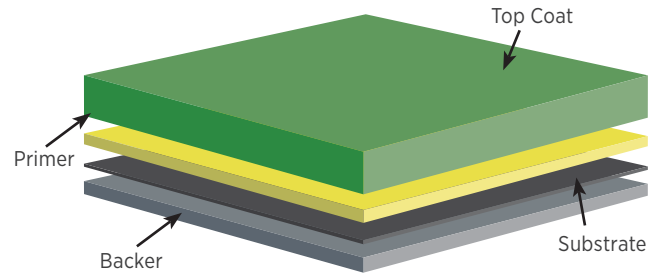
Valflon coatings are ideal for long-life external use on projects that require bright, vivid colors, including:

- Restaurants, banks, auto dealerships, gas stations and more
- Corporate facilities and architectural structures
- Composite panels and column covers
- Canopies, doors and other exterior metal panel systems



COMMITMENT TO QUALITY

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



FEVE COIL COATING SYSTEM

Number of Coats	Dry Film Thickness (DFT)		Total Topside DFT:	Backer
	Primer	Color Coat		
2 or 3 Coat	0.4-0.5 mils	0.7-0.9 mils	1.1-1.4 mils	0.3-0.4 mils

VALFLON® PERFORMANCE TESTING

Industry Specifications Compliance	AAMA' 2605-17A Requirements	Voluntary Specification, Performance Requirements and Test Procedures for High-Performing Organic Coatings on Aluminum Extrusions and Panels
Substrates	Pretreated substrates: Galvalume®, Hot-Dipped Galvanized (HDG) steel and Aluminum.	

PHYSICAL TESTING

ASTM² TEST METHOD

AAMA' 2605-17A REQUIRED TEST RESULT

Falling Sand Abrasion	ASTM D968	40 liters of sand per mil of coating
Film Adhesion	ASTM D3359	No removal of film under tape in the cross-hatched area. (Dry, Wet, Boiling Water)
Surface Burning Characteristics	ASTM E84	Flame Spread Index: Class A. Smoke Developed Index: Class A.
Graffiti Resistance	ASTM D6578/D6578M	Meets and exceeds
Humidity Resistance	ASTM D2247: 100% RH at 100° F for 4,000 hours	Aluminum: No field blisters
Impact Resistance (direct)	ASTM D2794	Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion
Pencil Hardness	ASTM D3363	F to H
Salt Spray	ASTM B117: 3,000 Hours	Aluminum: Creep from scribe no more than 1/8" (2mm), no field blisters.
Specular Gloss 60°	ASTM D523	30-80
T-Bends	ASTM D4145 ³	2T, no loss of adhesion.

SOUTH FLORIDA EXPOSURE TESTING, ASTM G7 45 degree southern exposure for panel racking

Color	ASTM D2244	No more than 5Δ Hunter units at 20 years.
Chalk	ASTM D4214	Number 8 rating at 20 years.
Gloss Retention	ASTM D523	20 years

¹American Architectural Manufacturers Association. ²American Society for Testing and Materials. ³Valflon is not designed to bridge cracks in the substrate. Valflon 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. Valflon® is a registered trademark of Sherwin-Williams. Galvalume® is a registered trademark of BIEC International, Inc.

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