



ACRODIZE IS MADE WITH 50% PVDF (FLUOROPOLYMER) RESINS.

It is specially formulated for today's low-rise structure construction projects. Because of this, Acrodize offers excellent resistance to chalking and fading. This AAMA 2604 system is formulated to be hard—an important feature for paints used on storefronts, fast-food restaurants, schools, universities, shopping malls and other projects that come in contact with heavy foot traffic.

Acrodize offers a sophisticated pearlescent look usually found in more expensive coatings. This value-engineered product is developed and priced for use on the non-monumental structures that are most typical in today's construction market.

Considering a price-benefit ratio, this product has the most to offer when compared to the performance of 70% PVDF products.

BENEFITS

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

COLORS

Acrodize coatings are available in a wide variety of colors with pearlescent/mica flakes for outstanding shine.

SUBSTRATES

May be applied to pretreated aluminum panels and extrusions.

END USES

Acrodize is appropriate for non-monumental office, commercial, industrial, institutional, storefront, residential or interior projects.



SHERWIN-WILLIAMS.
Coil Coatings

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50% PVDF EXTRUSION COATING SYSTEM

Number of Coats	Dry Film Thickness (DFT) Meet or exceed 1.2 mils total		Total DFT:	Specular Gloss 60°
	Primer	Color Coat		+/-5 units of manufacturer's specification
2-Coat	0.2-0.4 mils	1.0-1.3 mils	1.2-1.7 mils	Standard: 5-25

ACRODIZE® PERFORMANCE TESTING

Industry Specifications Compliance	AAMA 2604-17 Requirements	Voluntary Specification, Performance Requirements and Test Procedures for High-Performing Organic Coatings on Aluminum Extrusions and Panels
Substrates	Pretreated aluminum panels and extrusions	—

PHYSICAL TESTING	ASTM ¹ TEST METHOD	AAMA ² 2604-17 REQUIRED TEST RESULT
Falling Sand Abrasion	ASTM D968	Minimum 20 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 E 84	Flame Spread Index: Class A. Smoke Developed Index: Class A.
Humidity Resistance	ASTM D2247: 100% Relative Humidity at 100° F for 3,000 hours ASTM D2247, ASTM D714	Rating 8: No more than Few field blisters at 3,000 hours, 100% Humidity, 100° F
Impact Resistance	ASTM D 2794	Direct impact minimum deformation 3 mm +/- 0.3 mm - No removal of film from substrate
Pencil Hardness	ASTM D 3363	F Minimum, Berol Eagle Turquoise.
Corrosion	ASTM B117: 3,000 hours	Creep from scribe or edge no more than 1/32nd to 1/16th inch (1 - 2mm) Minimum Rating 7: Field Blister Rating: 8
Chemical Resistance	Mortar Resistance (ASTM C207), Muratic Acid (AAMA 2605-17 Sec. 8.7.1), Nitric acid (ASTM D2244), Detergent Resistance (ASTM D2248), and Window Cleaner (AAMA 2605-17 Sec. 8.7.5)	No loss of adhesion, blistering, or visually apparent change after exposure. No loss of adhesion of film to metal.

SOUTH FLORIDA EXPOSURE TESTING	ASTM TEST METHOD	AAMA 2604-17 REQUIRED TEST RESULT
Atmospheric Environmental Exposure Testing of Non-Metallic Materials	ASTM G7	45 degree southern exposure for panel racking.
Color	ASTM D 2244	No more than 5Δ Hunter units at 5 years.
Chalk	ASTM D 4214	Number 8 rating at 5 years.
Gloss Retention	ASTM D523	30% minimum gloss retention at 5 years.

¹American Society for Testing and Materials. ²American Architectural Manufacturers Association's.

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

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