EVERYDAY TOUGHNESS

Super Dynapon® is a super-durable polyester spray-applied coating for aluminum extrusions and wall panels that will meet or exceed AAMA 2604 specification requirements.

The Super Dynapon formulation contains the same top-quality mixed metal oxide (ceramic) and other select inorganic pigments that Sherwin-Williams uses in our best AAMA 2604 compliant product line. These durable pigments provide high-performance protection against color fade.

The high molecular weight polyester resin system resists chalking and provides excellent adhesion. The Super Dynapon system has a pencil hardness of 2H that offers exceptional abrasion and mar resistance to endure the physical rigors that can occur as a result of normal application, fabrication, transportation, and installation processes. This system is designed to meet the application and performance demands of the commercial aluminum window, storefront, and facade markets. Super Dynapon is also an appropriate choice for building interior surfaces when hardness and abrasion resistance are desired.

COLORS

Super Dynapon® can be custom designed to meet the color, gloss, application, and cure requirements of most manufacturers of these products.

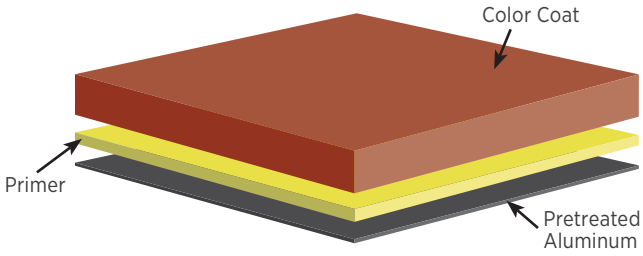
END USES

This super-durable polyester coating is designed for use on the exterior of commercial buildings and high-performance residential applications.

SHERWIN-WILLIAMS. Coil Coatings

extrusion.sherwin.com or call (866) 351-6900

POLYESTER COATING SYSTEM



Polyester resin system with total Dry Film Thickness (DFT) of 1.2 mils.
Color coat = 1.0-1.3 mils, Primer: 0.2–0.4 mils

POLYESTER 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 mils	Standard: 10-35, higher gloss available

SUPER DYNAPON® PERFORMANCE TESTING

Industry Specifications Compliance	AAMA[2] 2604-17 Requirements	Voluntary Specification, Performance Requirements and Test Procedures for High-Performance 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
Film Adhesion (Dry, Wet, Boiling Water)	ASTM D3359	No loss of adhesion
Surface Burning Characteristics	ASTM E84	Flame Spread Index: Class A
Humidity Resistance	ASTM D2247	Rating 8: No more than a few field blisters at 3,000 hours, 100% Humidity, 95° F
Impact Resistance	ASTM D2794	1/10" deformation. No loss of adhesion
Pencil Hardness	ASTM D3363	H-3H
Cyclic 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

SOUTH FLORIDA EXPOSURE TESTING	ASTM TEST METHOD	AAMA 2604-17 REQUIRED TEST RESULT
Color	ASTM D2244	No more than 5Δ Hunter units at 5 years
Chalk	ASTM D4214	No less than number 8 rating at 5 years

[1]American Society for Testing and Materials [2]American Architectural Manufacturers Association

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