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 superior abrasion and mar resistance to endure the physical abuses 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

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

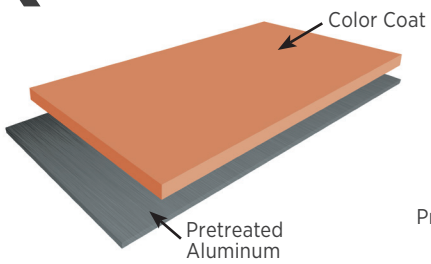
SHERWIN-WILLIAMS. Coil Coatings

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

3-9-22
Accessibility Statement

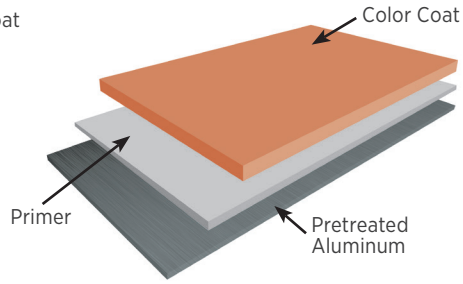
POLYESTER COATING SYSTEM

SUPER DYNAPON ONE-COAT SYSTEM



Polyester resin system with total DFT of 1.0 mils.
Color coat = 1.0-1.4 mils.

SUPER DYNAPON TWO-COAT SYSTEM



Polyester resin system with total DFT of 1.2-1.6 mils.
Color coat = 1.0-1.2 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
One-Coat	--	1.0-1.4 mils	1.0-1.4 mils 1.2-1.6 mils	Standard: 10-35
Two-Coat	0.2–0.4 mils	1.0-1.2 mils		

SUPER DYNAPON PERFORMANCE TESTING

Industry Specifications Compliance	AAMA 2604-21 Requirements	Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels
Substrates	Pretreated aluminum panels and extrusions	Chrome or Non-Chrome

PHYSICAL TESTING	ASTM[1] TEST METHOD	AAMA[2] 2604-21 REQUIRED TEST RESULT
Film Adhesion (Dry, Wet, Boiling Water)	ASTM D3359	No loss of adhesion
Surface Burning Characteristics	ASTM E 84	Flame Spread Index: Class A
Humidity Resistance	ASTM D2247	Rating 8: No more than a few field blisters at 3,000 hours, 100% Humidity, 100°F
Impact Resistance	ASTM D 2794	1/10 inch deformation. No loss of adhesion
Pencil Hardness	ASTM D 3363	H-3H
Cyclic Corrosion	ASTM 685; Annex 5; 1,500 hours	Creep from scribe or cut edge no more than 1/32 to 1/16 inch (1 – 2mm) Minimum Rating 7: Field Blister Rating: 8

WEATHERING	ASTM TEST METHOD	AAMA 2604-21 REQUIRED TEST RESULT
South Florida Exposure	ASTM G7	Florida exposure south of latitude 27 degrees north at a 45 degree angle facing south for a minimum of 10 years
Color	ASTM D 2244	No more than 5Δ Hunter units at 5 years; 8 at 10 years
Chalk	ASTM D 4214	No less than number 8 rating at 5 years

[1]American Society for Testing and Materials. [2]Fenestration and Glazing Industry Alliance.

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.

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