

SUPER DYNAPON® Extrusion Coating System

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 Valspar 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.



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APPLICATION CHARACTERISTICS

Application Method:	Conventional or electrostatic spray
Substrate:	Aluminum only
Total Dry Film Thickness:	1.2 mils minimum
Primer:	0.2-0.4 mils
Color topcoat:	1.0-1.3 mils
Specular Gloss: ASTM D 523	10-35 at 60°, Higher gloss is available
Viscosity: ASTM D 562 (No. 2 Zahn Cup)	45-55 seconds as applied
Weight/Gallon: ASTM D 1475	8.0 – 11.0 lbs/gallon ¹
Solids by Volume: ASTM D 2697	43% to 49%*
Solids by Weight: ASTM D 2369	54% to 60%
Reducing Thinner:	Xylol/Butyl Carbitol
VOC (Theoretical): ASTM D 3960	3.5 – 4.0 lbs/gallon ¹
Clean-Up Solvent:	MEK
Recommended Bake Temperature:	350°F (177° C) for 15 minutes

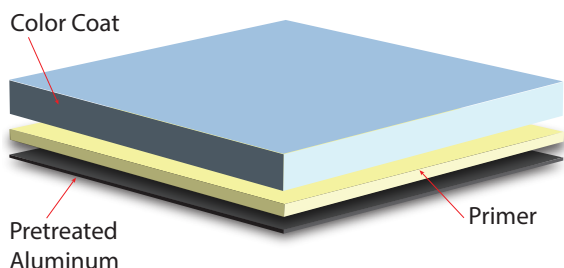
PERFORMANCE PROPERTIES

Industry Specification	Meets or exceeds AAMA 2604
Outdoor Exposure: 5 Years @ 45° South Florida ASTM D 2244 ASTM D 4214	Color : No more than 5Δ Hunter units Chalk: Rating no less than 8
Humidity Resistance 100% relative humidity @ 95° F 3,000 hours ASTM D 2247	Rating 8: No more than few field blisters per Figure No. 4, ASTM D 714
Salt Spray Resistance 3000 hours ASTM B 117	Scribe: Rating 7, No more than 1/32" – 1/16" (1-2 mm) Field: Rating 8
Pencil Hardness ASTM D 3363	H-3H
Film Adhesion	No loss of adhesion
Impact Resistance (Direct) ASTM D 2794	1/10" deformation, No loss of adhesion
Flame Test ASTM E 84	Class A coating

* Varies because of color selection and applicator's requirements.

SUPER DYNAPON COATING SYSTEM

Super Dynapon is a two-coat polyester resin system with a total Dry Film Thickness (DFT) of 1.2 mils total system.



Color Coat: 1.0 -1.3 mils Primer: 0.2-0.4 mils

(1) American Architectural Manufacturers Association's ten year superior performing specification with increased performance to AAMA 2604. (2) Applied in accordance with Valspar technical specification sheet on properly pretreated aluminum surfaces. (3) American Society for Testing and Materials. (4) Recommended for most colors.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at www.valsparcoilextrusion.com.

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