

FLUROSPAR® SR Extrusion Coating System

Eco-Friendly Toughness

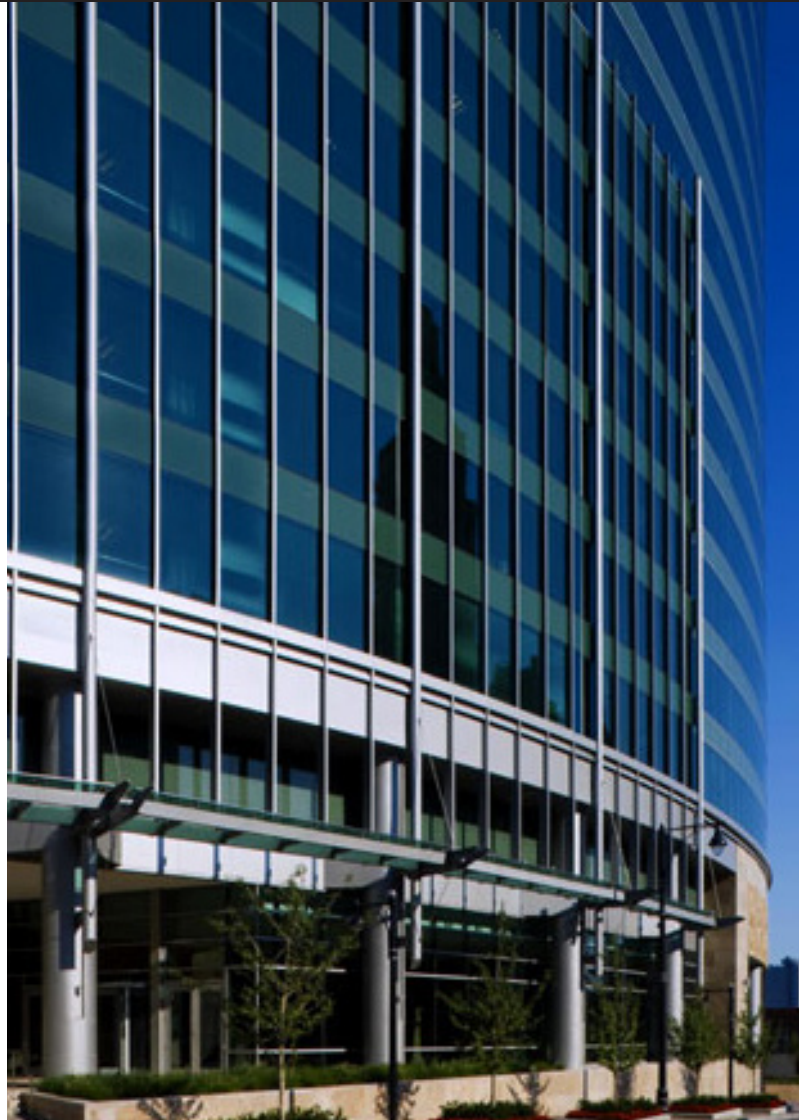
Flurospar SR spray applied coatings are the most environmentally responsible coatings available to the aluminum building products industry today. As a member of the Fluropon coatings product line that has been trusted by the industry for more than forty years, Fluropon SR's unique formulation offers the same superior protection while also helping to protect the environment.

This eco-friendly product is formulated with solar reflective (SR) pigments that keep building components cooler than bare aluminum or anodized aluminum. Leading green building programs including LEED® and ENERGY STAR® recognize the benefits of paints with high solar reflectance values. They decrease the amount of heat absorbed by a building resulting in energy savings and they help mitigate urban heat island effect. While these programs currently focus on roof temperatures, aluminum extrusions and wall panels coated with Flurospar SR finishes will also reduce surface temperature.

All Flurospar paint coatings have the same long life characteristics as the original formulation and meet or exceed AAMA 2605 specification requirements. These finishes are full strength 70% PVDF fluoropolymer based resin systems that provide maximum protection against chalk and fade.

The environmental advantages include:

- Improved coverage ratio decreases the amount of energy used to apply finish
- Improved mar resistance
- Minimal need for touch-up or repainting
- No harmful off-gases from installed building components
- No cadmium or lead based pigments
- Approximately 1/3 of the aluminum used in the US comes from



Colors

Flurospar SR finishes are available in a wide variety of colors including white, black, green, blue, brown and red. Pearlescent effects are also available in the Flurospar SR Classic II formulation. See Flurospar SR Classic II product information sheet for more details.

End Uses:

For use on monumental curtain walls, panels, column covers, skylights, louvers, windows, storefronts, or other architectural applications when a high performance, energy efficient finish is desired.

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APPLICATION CHARACTERISTICS

Application Method:	Conventional or electrostatic spray
Substrate:	Aluminum only
Total Dry Film Thickness:	1.2 mils minimum
Primer 732x310:	0.2-0.4 mils
Color topcoat:	1.0-1.3 mils
Specular Gloss: ASTM D 523	Typical: 25-35 at 60°, Lower sheen formulations are also available
Viscosity: ASTM D 562 (No. 3 Zahn Cup)	15-23 seconds as applied
Weight/Gallon: ASTM D 1475	9.5 – 10.5 lbs/gallon ⁽²⁾
Solids by Volume: ASTM D 2697	34% to 39% as supplied ⁽²⁾
Solids by Weight: ASTM D 2369	49% to 54% as supplied
Reducing Thinner:	Xylol/Butyl Carbitol
VOC (Theoretical): ASTM D 3960	4.6 – 5.0 lbs/gallon ⁽²⁾
Clean-Up Solvent:	MEK
Recommended Bake Temperature:	450°F (232° C) for 10 minutes
Flash Point: ASTM D 3278	75°F (24°C)

PERFORMANCE PROPERTIES

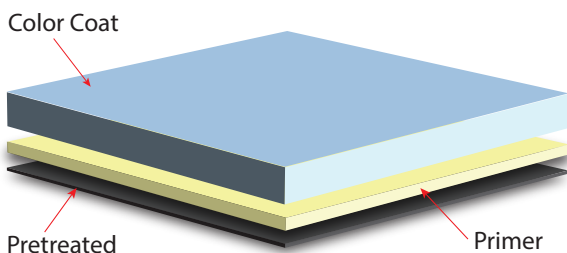
Solar Reflectance per ASTM C1549	0.25 or greater
Industry Specification	Meets or exceeds AAMA 2605
Outdoor Exposure: 10 Years @ 45° South Florida ASTM D 2244 ASTM D 4214	Color : No more than 5Δ Hunter units ⁽¹⁾ Chalk: Rating no less than 8
Prohesion 2,000 Hours: ASTM G 85 Annex A5	Creep from scribe or edge no more than 1/16"(2 mm) Rating: 7 Field Blister Rating: 8
Humidity Resistance 100% relative humidity @ 95° F 4,000 hours ASTM D 2247	Rating 8: No more than few field blisters per Figure No. 4, ASTM D 714
Pencil Hardness ASTM D 3363	F-2H
Film Adhesion	No loss of adhesion
Reverse Impact ASTM D 2794	1/10" deformation, No loss of adhesion
Flame Test ASTM E 84	Class A coating

(1) Flurospar SR color is not measurable due to reflectance properties of mica flakes used to create pearlescent effect per AAMA 2605.

(2) Varies because of color selection and applicator's requirements.

FLUROSPAR SR COATING SYSTEM

Flurospar SR is a two-coat PVDF 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 2605. (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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