



PVDF liquid extrusion coatings



Proven performance for nearly 60 years

PPG DURANAR® liquid coatings were among the first high-performance polyvinylidene fluoride (PVDF) coatings for aluminum extrusions and remain one of the world's most specified architectural metal coatings today.

Duranar coatings systems are formulated with 70% PVDF combined with acrylic resins and durable pigments for exceptional, time-tested resistance to chalking, fading, chipping, peeling, dirt and staining.

At a minimum, *Duranar* coatings systems consist of a corrosion-inhibitive primer and a durable fluoropolymer color coat. Three-coat systems include a clearcoat for added corrosion, weatherability and chemical resistance, and are required for metallic and exotic colors.

Duranar coatings meet FGIA/AAMA 2605 specifications and ASTM D6578/ D6578M-13 (2024) standard practice for determination of graffiti resistance.¹

Duranar coatings are available in a wide palette of rich, solid colors, shimmering micas and dynamic metallics with custom color capabilities.

Suggested industries

Extrusion

Suggested end uses

Storefronts

Monumental applications

Curtainwalls and window walls

Window and door systems

Louvres

Plate aluminum

Specifications

FGIA/AAMA 2605

The PPG Benefit



Strong corrosion resistance with decades of proven performance



Flexible coating system with exceptional film integrity/chalk resistance



Wide palette of glosses and colors, with custom color development capabilities



Outstanding weathering resistance for long-lasting gloss and color



Excellent graffiti resistance¹



Characteristics	Test Standard	Duranar Solid Color	Duranar SUNSTORM® Mica Effects	Duranar XL Metallic Finishes
System	-	Primer and color coat	Primer and color coat with mica flakes	Primer, color coat (with or without mica flakes) and clearcoat
Colors	-	White, black and a range of selected colors	A range of pearlescent colors	A range of colors, including metallics, micas and bright colors
Gloss at 60°	ASTM D523	Low and medium	Low and medium	Medium
Dry Film Thickness	ASTM D1400	Primer: 0.25 ± 0.05 mil Color coat: 1.0 mil min.	Primer: 0.25 ± 0.05 mil Color coat: 1.0 mil min.	Primer: 0.25 ± 0.05 mil Barrier coat: 1.0 mil min. Color coat: 1.0 mil min. Clearcoat: 0.6 ± 0.2 mil

Performance	Test Standard			
Pencil Hardness	ASTM D3363	F minimum	F minimum	F minimum
Adhesion	ASTM D3359, 1/16" wet and dry	Excellent, no removal	Excellent, no removal	Excellent, no removal
Direct Impact Resistance	ASTM D5420, 1/10" distortion	Excellent, no removal	Excellent, no removal	Excellent, no removal
Acid Resistance	ASTM D1308, 10% muriatic acid spot test	No attack	No attack	No attack
Alkali Resistance	Mortar pat test, 100% relative humidity at 100° F (38° C)	24 hours, no attack	24 hours, no attack	24 hours, no attack
Detergent Resistance	3% immersion at 100° F (38° C)	72 hours, no attack	72 hours, no attack	72 hours, no attack
Salt Spray Resistance	ASTM G85, Annex 5, 2,000 hours, cyclic corrosion testing	> 8 scribe rating > 8 blister rating	> 8 scribe rating > 8 blister rating	> 8 scribe rating > 8 blister rating
	ASTM B117, 4,000 hours, 5% NaCl at 100° F (38° C)	1/16" maximum undercutting	1/16" maximum undercutting	1/16" maximum undercutting
Humidity Resitance	ASTM D714, ASTM D2247, 4,000 hours, 100% relative humidity at 100° F (38° C)	Up to a few #8 blisters maximum	Up to a few #8 blisters maximum	Up to a few #8 blisters maximum
Exterior Exposure (South Florida, 10 years at 45°)	ASTM D224 ASTM D4214 ASTM B244 (Erosion)	Maximum 5 ΔE color Maximum 8 chalk rating Maximum 5% film loss	Maximum 5 ΔE color Maximum 8 chalk rating Maximum 5% film loss	Maximum 5 ΔE color Maximum 8 chalk rating Maximum 5% film loss
Graffiti Resistance ¹	ASTM D6578 ASTM D6578M-13	Meets or exceeds	Meets or exceeds	Meets or exceeds

For project support, color samples or technical assistance, please email us at ppgmetalcoatings@ppg.com or contact us at 1.800.258.6398.

¹ Graffiti resistance can be enhanced with additional Duranar or PPG CORAFLO® clearcoat layer. Refer to PPG's coil and extrusion maintenance guide for cleaning recommendations. Visit ppgmetalcoatings.com for more information.

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