



# PVDF liquid extrusion coatings



## Over 50 years of proven performance

PPG DURANAR® liquid coatings were among the first high-performance polyvinylidene fluoride (PVDF) coatings for aluminum extrusions and have remained one of the world's most specified architectural metal coatings since their introduction in 1967.

*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 are available in a wide palette of rich, solid colors, shimmering micas and dynamic metallics with custom color capabilities. All *Duranar* coatings meet FGIA/AAMA 2605 specifications, the industry's highest performance standard for architectural metal coatings.

### Suggested industries

Extrusion

### Suggested end uses

Storefronts

Monumental applications

Curtainwalls

Window and door systems

Louvres

Roof panels

### 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



Requires minimal maintenance/touchup and can be field repaired



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

For project support, color samples, or technical assistance, please email us [ppgmetalcoatings@ppg.com](mailto:ppgmetalcoatings@ppg.com) or contact us at +1 800-258-6398.

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