



PRODUCT DESCRIPTION

DURANAR fluoropolymer powder coatings, like DURANAR liquid coatings, are two-coat systems consisting of a patented primer and a unique durable color coat. They combine PPG proprietary resin and pigment technologies with 70% of the resin system being fluoropolymer base resins, manufactured with a patented process.

Environmentally friendly DURANAR powder provides harder surfaces which are extremely resistant to damage during fabrication, shipping, installation and use.

For more than 30 years DURANAR extrusion coatings have demonstrated proven performance on exterior aluminum surfaces. They are highly resistant to chalking, fading, chipping, and peeling when properly applied by an approved applicator. DURANAR coatings resist dirt collection and chemical staining, and can significantly reduce maintenance and restoration costs over time. They meet AAMA 2605 performance specifications and are the architectural extrusion coatings of choice when exceptional durability and performance are required.

SYSTEM OVERVIEW

DURANAR powder extrusion coatings provide outstanding durability and performance in a variety of exterior architectural applications. DURANAR coatings were commercialized over 30 years ago, they have gained worldwide recognition as the leader in high performance, low maintenance coatings. DURANAR powder's multi-coat system provides unparalleled durability. PPG's patented manufacturing process provides economic small batch availability and unmatched color capabilities.

DURANAR powder coatings provide exceptional aesthetics. They are available in a wide range of earthtone colors and offer excellent color consistency panel to panel compared to anodic finishes. DURANAR powder coatings are extremely inert, resisting chemical attack and surface damage caused by acid rain, salt deposits, mortar deposits, humidity, and graffiti. DURANAR powder coatings can also be repaired in the field if damaged.

COMMERCIAL USES

DURANAR powder extrusion coatings are formulated to provide the ultimate performance against weathering in environments where added protection against industrial or seacoast influences such as corrosive chemicals, salt spray, etc. is required.

The two-coat DURANAR system is the coating of choice for use on pre-formed aluminum components such as storefronts, curtainwalls, windows, and louvers.

DURABILITY

DURANAR coatings are chemically inert, providing outstanding resistance against color and gloss fade, and environmental stress such as acid rain and ultraviolet attack. All pigments are tested for a minimum of ten years in south Florida prior to approval for use in any DURANAR coating system.

Additionally, DURANAR coatings are tested at exposure sites throughout the world in all types of climatic and industrial conditions to ensure the coatings' outstanding performance and durability.

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DURANAR SPECIFICATIONS	
Colors Available¹	White, black, and a full range of solid colors
Dry Film Thickness ASTM D1400	0.2 mils - 0.3 mils Primer 2.0 mils ± 0.5 Color Coat ²
Gloss ASTM D523 @ 60°	20 - 30
Pencil Hardness ASTM D3363	F minimum
Cross Hatch Adhesion 1/16" grid	Excellent - No removal
Direct Impact 1/10" distortion	Excellent - No removal
Acid Resistance ASTM D1308 10% muriatic acid spot test	15 minutes – No attack
Alkali Resistance Mortar pat test 100% relative humidity @ 100°F	24 hours – No attack
Detergent Resistance 3% immersion @ 100°F	72 hours – No attack
Salt Spray Resistance ASTM B117, 4000 hrs. 5% NaCl @ 100°F	1/16" maximum average scribe creep. None or few # 8 field blisters
Humidity Resistance ASTM D714 ASTM D2247, 4000 hrs. 100% relative humidity @ 100°F	None or few # 8 field blisters
Exterior Exposure³ 10 yrs. @ 45°, South Florida ASTM D3344 ASTM D4214 Film Integrity Gloss Retention	Maximum 5 fade Maximum 8 chalk Very good Greater than 50%

¹ The range of color availability will vary depending upon exposure requirements and architects' specifications.

² Above 2.5 mils, mechanical properties will decline.

³ While this coating has been formulated with the intent to meet the specifications in AAMA 2605, completed testing regarding South Florida Weathering requirements does not exist for all colors.

DURANAR POWDER WARRANTY INFORMATION

PPG offers a comprehensive warranty on DURANAR extrusion powder coatings. For complete warranty information and a copy of the DURANAR extrusion powder coatings warranty, please call PPG at **1-800-258-6398**.

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PPG Industries, Inc.
151 Colfax St.
Springdale, PA 15144
(800) 258-6398
Fax: (724) 274-2600

www.ppgideascape.com
E-mail: coexcoatings@ppg.com

