



PRODUCT DESCRIPTION

DURANAR XL fluoropolymer extrusion coatings are three- and four-coat systems consisting of (three-coat system) a patented primer, a durable color coat, and a clear top coat or (four-coat system) a patented primer, a barrier coat, a durable color coat, and a clear top coat. They combine PPG proprietary resin and pigment technologies with 70% of the resin system being fluoropolymer base resins. DURANAR XL extrusion coatings have demonstrated proven performance on exterior aluminum surfaces, especially in seaside and corrosive industrial environments. They are highly resistant to chalking, fading, chipping, and peeling when properly applied by an approved applicator. DURANAR XL 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 in aggressive environments.

SYSTEM OVERVIEW

DURANAR XL extrusion coatings provide outstanding durability and performance in a variety of exterior architectural applications, and have gained widespread acceptance due to their proven, coater-friendly application properties. The DURANAR XL clear top coat is an essential component of the three-coat system, providing added protection against ultraviolet, humidity, and chemical attack. The four-coat system (which includes a barrier coat between the primer and color coats) is intended for use under selected deep-tone color coats and colors containing certain aluminum flake pigments*. The XL

top coat is required over some brightly pigmented DURANAR coatings and all colors containing metallic flakes. The XL top coat may also be specified over any DURANAR coating to enhance its overall performance and further reduce maintenance requirements**.

DURANAR XL coatings provide exceptional aesthetics. In aggressive environments, generally defined as industrial areas or seacoast locations, DURANAR XL coatings demonstrate outstanding color and gloss retention, increased abrasion resistance, and added protection against atmospheric contaminants such as acid rain.

COMMERCIAL USES

DURANAR XL spray-applied extrusion coatings are formulated to provide the ultimate performance against weathering in aggressive environments. The DURANAR

XL system is the coating of choice for use on pre-formed aluminum components such as storefronts, curtainwalls, windows, and louvers under these conditions.

DURABILITY

DURANAR XL 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 XL coating system.

Additionally, DURANAR XL coatings are tested at exposure sites throughout the world in all types of climatic and industrial conditions to ensure the coatings' performance and long-term durability in aggressive environments.

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* The appearance of metallic and pearlescent finishes may vary upon factory application due to differences in spray equipment, spray techniques, film thickness, and curing conditions. It is strongly recommended that final color approval is made from actual production pieces, including clear top coat when required, not laboratory prepared samples. Limits for acceptable production variations are to be established between the approval source and applicator.

** The XL top coat may affect the final appearance of lightly pigmented DURANAR coatings.





DURANAR XL SPECIFICATIONS	
Colors Available	A range of colors and polychromatics, including metallics, micas and bright colors
Dry Film Thickness ASTM D1400	0.25 ± 0.05 mil primer 1.0 mil min. barrier coat (if applicable) 1.0 mil min. color coat 0.6 ± 0.2 mil clear top coat
Gloss ASTM D523 @ 60°	Medium gloss
Pencil Hardness ASTM D3363	F min.
Cross Hatch Adhesion 1/16" wet and dry	Excellent — No removal
Direct Impact 1/10" distortion	Excellent — No removal
Abrasion - Falling Sand ASTM D968	40 - 80 l/mil
Acid Resistance ASTM D1308 10% muriatic acid spot test	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 undercutting
Humidity Resistance ASTM D714, ASTM D2247, 4000 hrs. 100% relative humidity @ 100°F	Up to few #8 blisters maximum
Exterior Exposure 10 yrs. @ 45°, south Florida ASTM D2244 ASTM D4214 ASTM B244 (Erosion)	Maximum 5ΔE color change Maximum 8 chalk rating Maximum 5% film loss

DURANAR XL WARRANTY INFORMATION

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

