



PRODUCT DESCRIPTION

POLYCRON III extrusion coatings are spray-applied, one-coat systems which are recommended for use in a variety of transportation as well as institutional, residential, and interior architectural applications. Based on high-solids polyester resin technology, their low VOC formulations are designed to meet increasingly restrictive environmental regulations. For architectural applications, POLYCRON III extrusion coatings meet or exceed the physical test requirements of AAMA 2603 specifications.

SYSTEM OVERVIEW

POLYCRON III extrusion coatings add beauty and durability to a wide range of products in the transportation and architectural markets. Their high-solids polyester formulations provide comparable performance to the time-tested PPG DURACRON® thermosetting acrylic extrusion coatings which have become

the standard in quality aluminum extrusion finishes over the past 30 years.

POLYCRON III extrusion coatings are available in a broad palette of solid colors as well as pearlescent and metallic formulations. The coatings may also be formulated with a textured finish.

COMMERCIAL USES

POLYCRON III extrusion coatings are recommended for use in transportation applications such as RV components as well as for institutional, residential, and interior architectural applications including

window and door frames, railings, and trim. However, they are not recommended for exterior use on monumental buildings or high-rise curtainwalls.

DURABILITY

POLYCRON III extrusion coatings meet or exceed AAMA 2603 specifications and offer good film integrity, color control, and impact and mar resistance. They must be factory applied to properly cleaned and

pretreated aluminum for optimum performance. POLYCRON III extrusion coatings can also be applied over inhibitive primers to enhance their corrosion resistance for use in coastal or industrial environments.



POLYCRON III SPECIFICATIONS	
Colors Available¹	White, black, and a full range of colors including metallics and pearlescents, plus polychromatics
Dry Film Thickness ASTM D1400	1.0 ± 0.2 mil — 0.8 mil min. ²
Gloss ASTM D523 @ 60°	Colors: high, medium, & low gloss Polychromatics: medium & low gloss
Pencil Hardness ASTM D3363	H min.
Cross Hatch Adhesion 1/16" wet and dry	Excellent — No removal
Direct Impact 1/10" distortion	Excellent — No removal
Fabrication	Excellent — Withstands punching, cutting, & drilling
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, 1500 hrs. 5% NaCl @ 100°F	1/16" max. undercutting
Humidity Resistance ASTM D714, ASTM D2247, 1500 hrs. 100% relative humidity @ 100°F	Few #8 blisters max.
Exterior Exposure 1 yr. @ 45°, south Florida	No loss of adhesion Max. 8 fade Max. 6 chalk

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

² For more critical applications, a primer/topcoat system and greater film thicknesses may be recommended. Consult PPG coating specialists for recommendation when developing specifications.

POLYCRON III WARRANTY INFORMATION

PPG offers a comprehensive warranty on POLYCRON III extrusion coatings.

For complete warranty information and a copy of the POLYCRON III extrusion coatings warranty, please call PPG at **1-800-258-6398**.

