



**PRODUCT DESCRIPTION**

ENVIROCRON® DURABLE architectural extrusion powder coatings are spray-applied, one-coat systems which are recommended for use in institutional, residential, interior and limited exterior architectural applications. Based on thermosetting polyester resin technology, they provide a combination of good physical and chemical resistance properties.

For architectural applications, ENVIROCRON DURABLE architectural extrusion powder coatings are designed to meet the physical test requirements of AAMA<sup>1</sup> 2603 specifications.

**SYSTEM OVERVIEW**

ENVIROCRON DURABLE architectural extrusion powder coatings add beauty and durability to a wide range of aluminum components in the architectural markets. These polyester formulations are designed to provide comparable performance to the time-tested PPG DURACRON® and POLYCRON® thermosetting liquid extrusion coatings which have become the

standard in quality aluminum extrusion finishes over the past 30 years. ENVIROCRON DURABLE architectural extrusion powder coatings are available in a broad palette of solid colors as well as pearlescent formulations. These coatings may also be formulated with a textured finish.

**COMMERCIAL USES**

ENVIROCRON DURABLE architectural extrusion powder coatings are recommended for use in institutional, residential, and interior and exterior architectural applications including window and door

frames, railings, and trim. In addition, they are an excellent choice for interior applications for monumental buildings and curtail wall. These coatings are also ideal for specialty applications like R.V. components.

**DURABILITY**

ENVIROCRON DURABLE architectural extrusion powder coatings are designed to meet AAMA 2603 specifications and offer good film integrity, color control, impact

and mar resistance. They must be factory applied to properly cleaned and pretreated aluminum.

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ENVIROCRON DURABLE SPECIFICATIONS	
<b>Colors Available<sup>2</sup></b>	A wide range of solid colors and pearlescents
<b>Dry Film Thickness</b> ASTM D1400	2.5 mils ± 0.5 Apply 2 mils minimum
<b>Gloss</b> ASTM D523 @ 60°	High, medium, & low gloss
<b>Pencil Hardness</b> ASTM D3363	H minimum
<b>Cross Hatch Adhesion</b> 1/16" grid	Excellent – No removal
<b>Direct Impact</b> 1/10" distortion	Excellent – No removal
<b>Acid Resistance</b> ASTM D1308 10% muriatic acid spot test	15 minutes – No attack
<b>Alkali Resistance</b> Mortar pat test 100% relative humidity @ 100°F	24 hours – No attack
<b>Detergent Resistance</b> 3% immersion @ 100°F	72 hours – No attack
<b>Salt Spray Resistance</b> ASTM B117, 1500 hrs. 5% NaCl @ 100°F	1/16" maximum undercutting
<b>Humidity Resistance</b> ASTM D714 ASTM D2247, 1500 hrs. 100% relative humidity @ 100°F	Few #8 blisters maximum
<b>Exterior Exposure<sup>3</sup></b> 1 year @ 45°, South Florida	No loss of adhesion Maximum 8 fade Maximum 6 chalk

<sup>1</sup> American Architectural Manufacturers Association, Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels. Publication No. AAMA 2603-02

<sup>2</sup> The range of color availability will vary depending upon exposure requirements and architects' specifications.

<sup>3</sup> While this coating has been formulated with the intent to meet the specifications in AAMA 2603, completed testing regarding South Florida Weathering requirements does not exist for all colors.

**ENVIROCRON DURABLE WARRANTY INFORMATION**

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

