



### PRODUCT DESCRIPTION

ENVIROCRON® 04 ultradurable architectural powder coatings are spray-applied systems which are recommended for use in a variety of architectural applications.

Based on thermosetting polyester resin technology, they offer building owners, architects and specifiers a unique blend of physical and chemical properties with excellent resistance to outdoor weathering.

ENVIROCRON 04 ultradurable architectural powder coatings are aesthetically pleasing and can be custom formulated in a wide range of color, gloss and effects.

These powder coatings are designed to meet the physical test requirements of AAMA<sup>1</sup> 2604 specifications.

### SYSTEM OVERVIEW

ENVIROCRON® 04 ultradurable architectural powder coatings offer excellent color retention and chalk resistance to meet demanding architectural needs. Film hardness of H to 2H can be achieved with ENVIROCRON 04

ultradurable powder coatings. ENVIROCRON 04 ultradurable powder coatings offer excellent aesthetics, resulting in a smooth and beautiful finish and are a complimentary product to PPG ACRYNAR® liquid extrusion coatings.

### COMMERCIAL USES

ENVIROCRON 04 ultradurable architectural powder coatings' combination of improved mar resistance and excellent weatherability make them

an excellent choice for use in high traffic areas such as store fronts, schools, hospitals, flag poles, high-rise condominiums, and architectural accents.

### DURABILITY

ENVIROCRON 04 ultradurable architectural powder coatings were designed to meet the AAMA 2604 weathering specifications. For applications requiring finishes that are easy to apply

and still offer improved long term durability, our ultradurable powder coating, ENVIROCRON 04 architectural powder coatings are an excellent choice.

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| ENVIROCRON 04 SPECIFICATIONS   |  |
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| <b>Colors Available<sup>2</sup></b>  | White, black, and a full range of solid and pearlescent colors     |
| <b>Dry Film Thickness</b><br>ASTM D1400  | 2.5 mils ± 0.5<br>Apply 2 mils minimum                             |
| <b>Gloss</b><br>ASTM D523 @ 60°  | High, medium, & low gloss  |
| <b>Pencil Hardness</b><br>ASTM D3363   | H – 2H   |
| <b>Cross Hatch Adhesion</b><br>1/16" grid  | No removal   |
| <b>Direct Impact</b><br>1/10" distortion   | No removal   |
| <b>Acid Resistance</b><br>ASTM D1308<br>10% muriatic acid spot test  | 15 minutes – No attack   |
| <b>Alkali Resistance</b><br>Mortar pat test<br>100% relative humidity @ 100°F  | 24 hours – No attack   |
| <b>Detergent Resistance</b><br>3% immersion @ 100°F  | 72 hours – No attack   |
| <b>Salt Spray Resistance</b><br>ASTM B117, 3000 hrs.<br>5% NaCl @ 100°F  | Meets or exceeds 1/16" maximum undercutting                        |
| <b>Humidity Resistance</b><br>ASTM D714<br>ASTM D2247, 3000 hrs.<br>100% relative humidity @ 100°F                                   | Meets or exceeds specification of few # 8 blisters maximum         |
| <b>Exterior Exposure<sup>3</sup></b><br>5 yrs. @ 45°, South Florida<br>ASTM D3344<br>ASTM D4214<br>Film Integrity<br>Gloss Retention | Maximum 5 fade<br>Maximum 8 chalk<br>Very Good<br>Greater than 30% |

<sup>1</sup> American Architectural Manufacturers Association, Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels. Publication No. AAMA 2604

<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 2604, completed testing regarding South Florida Weathering requirements does not exist for all colors.

**ENVIROCRON 04 WARRANTY INFORMATION**

PPG offers a comprehensive warranty on ENVIROCRON 04 ultradurable extrusion powder coatings. For complete warranty information and a copy of the ENVIROCRON 04 ultradurable extrusion powder coatings warranty, please call PPG at **1-800-258-6398**.

