



PRODUCT DESCRIPTION

CORAFLO[®] spray-applied architectural extrusion powder coatings are thermosetting fluoropolymer systems which are recommended for use in a variety of architectural applications.

Available in a rich palette of colors, they are highly resistant to chalking, fading, chipping and peeling when properly applied by an approved applicator.

CORAFLO powder coatings resist dirt collection and chemical staining, and can significantly reduce maintenance and restoration costs over time.

CORAFLO architectural powder coatings are aesthetically pleasing and can be custom formulated with finishes from high gloss to low gloss.

These powder coatings are designed to meet the physical test requirements of AAMA¹ 2605 specifications. CORAFLO powder coatings are the architectural coatings of choice when ultimate durability and performance are specified.

SYSTEM OVERVIEW

CORAFLO architectural powder coating is a one coat fluoropolymer system. The coatings are designed for use over properly cleaned and pretreated aluminum substrates. CORAFLO architectural powder coatings cure chemically into a durable, inert fluoropolymer system to attain rich colors

including micas and a wide range of gloss levels (25 – 70 @ 60°). CORAFLO architectural powder coatings offer a low maintenance finish that is resistant to marring and abrasion while providing excellent gloss and color retention.

COMMERCIAL USES

Architects and specifiers require coatings that provide an attractive appearance throughout a building's lifetime. CORAFLO architectural powder coatings have been formulated to provide exceptional visual appeal in a wide range of architectural and other applications. Based upon durability-proven fluoropolymer chemistry, CORAFLO architectural powder coatings provide excellent color retention and hiding

ability, gloss levels from satin to high luster and a combination of improved mar resistance and excellent weatherability. Their exceptional versatility makes them an excellent choice for applications such as monumental buildings, curtain walls, doors, windows, sash extrusions, handrails, poles, exterior lighting fixtures, fences, stadium seating and many other applications.

DURABILITY

CORAFLO architectural powder coatings have been formulated to provide ultimate resistance to weathering and ultraviolet degradation. Their chemically inert composition makes them a good choice for use in industrial environments. CORAFLO architectural powder coatings

are highly resistant to marring and abrasion, withstand airborne pollution without staining or discoloring, and retain their excellent long term appearance. The coatings require little maintenance and can be easily cleaned with mild detergents.

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CORAFLO SPECIFICATIONS	
Colors Available²	White, black, and a full range of solid and pearlescent colors
Dry Film Thickness ASTM D1400	1.5 - 3.0 mils
Gloss ASTM D523 @ 60°	25 - 70
Pencil Hardness ASTM D3363	4H
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 50% after 10 yrs. South Florida

¹ American Architectural Manufacturers Association, Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels. Publication No. AAMA 2605

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

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.

CORAFLO POWDER WARRANTY INFORMATION

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

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