



### PRODUCT DESCRIPTION

CORAFLO<sup>®</sup>N EX spray-applied extrusion coatings are second-generation thermosetting fluoropolymer coatings designed to provide an automotive-quality finish with bright colors and high gloss on pre-formed architectural aluminum building products and in other applications.

They not only meet the AAMA 2605 weatherability and chemical resistance standards set by architectural PVDF finishes, but are also available in a palette of rich, vivid colors and a full range of glosses from satin to high luster. CORAFLO<sup>®</sup>N EX coatings offer excellent adhesion to aluminum substrates. These characteristics make them an ideal choice for high-profile architectural applications where long-term aesthetics are desired.

### SYSTEM OVERVIEW

CORAFLO<sup>®</sup>N EX extrusion coatings are two-coat systems composed of a corrosion inhibitive primer and a fluoropolymer topcoat. The coatings are designed for use over properly cleaned and pretreated aluminum substrates. This two-coat system can be applied “wet-on-wet” with a nominal coating thickness of 0.25 mil primer and 1.0 mil minimum topcoat.

CORAFLO<sup>®</sup>N EX extrusion coatings cure chemically into a durable, inert fluoropolymer system to attain bright, vivid colors, including metallics, and a wide range of gloss levels (20 - 80%). CORAFLO<sup>®</sup>N EX coatings offer a brilliant, low-maintenance finish that is resistant to marring and abrasion while providing excellent gloss and color retention.

### COMMERCIAL USES

CORAFLO<sup>®</sup>N EX extrusion coatings have been formulated to provide exceptional visual appeal in a wide range of architectural and other applications. CORAFLO<sup>®</sup>N EX coatings are available in a full palette of rich, vivid colors plus metallics, blacks, and whites. Based upon durability-proven fluoropolymer chemistry, CORAFLO<sup>®</sup>N EX

coatings provide exceptional color retention and hiding ability, plus gloss levels from satins to high luster. Their exceptional versatility makes them an excellent choice for applications such as doors, windows or sash extrusions, handrails, poles, exterior light fixtures, fences, and many others.

### DURABILITY

CORAFLO<sup>®</sup>N EX coatings are 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<sup>®</sup>N EX coatings are highly resistant to marring and abrasion, with-

stand 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. Air dry versions of CORAFLO<sup>®</sup>N coatings are available for touch-up or repair painting in the field.

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CORAFLO <sup>®</sup> EX SPECIFICATIONS	
<b>Dry Film Thickness</b> ASTM D1400	0.20 - 0.30 mil primer 1.00 - 1.20 mil topcoat 0.70 - 0.90 mil clear coat
<b>Gloss</b> ASTM D523 @ 60°	<10-80
<b>Pencil Hardness</b> ASTM D3363	F minimum
<b>Cross Hatch Adhesion</b> ASTM D3359 1/16" wet and dry	Excellent - No removal
<b>Direct Impact</b> ASTM D2794 1/10" distortion	Excellent - No removal
<b>Abrasion — Falling Sand</b> ASTM D968	50 liters min.
<b>Acid Resistance</b> ASTM D1308 10% muriatic acid — 15 minutes AAMA 2605 nitric acid vapor — 30 minutes	No attack <5ΔE color change
<b>Alkali Resistance</b> Mortar pat test 100% relative humidity @ 100°F	24 hours - No attack
<b>Detergent Resistance</b> AAMA 2605 3% immersion @ 100°F	72 hours - No attack
<b>Salt Spray Resistance</b> ASTM B117, 4000 hrs. 5% NaCl @ 100°F	1/16" max. average scribe creep. None or few #8 field blisters
<b>Humidity Resistance</b> ASTM D714, ASTM D2247, 4000 hrs. 100% relative humidity @ 100°F	None or few #8 field blisters
<b>Exterior Exposure</b> 10 yrs. @ 45°, south Florida ASTM D2244 ASTM D4214 ASTM B244 (Erosion)	Max. 5 fade Max. 8 chalk Max. 5% film loss

**CORAFLO<sup>®</sup> EX WARRANTY INFORMATION**

PPG offers a comprehensive warranty on CORAFLO<sup>®</sup> EX extrusion coatings. For complete warranty information and a copy of the CORAFLO<sup>®</sup> EX extrusion coatings warranty, please call PPG at **1-800-258-6398**.

