



Highlights

PPG's Enviracryl™ and Envirocron™ powder coatings are aesthetically pleasing, produce a durable uniform finish and can be custom formulated with finishes from high gloss to low gloss, and in a variety of textures.

PPG's "World Class" Ultradurable Polyester Powder Coatings provide a combination of good physical and chemical resistance properties with excellent resistance to outdoor weathering. This extensive line of Polyester Powders is manufactured to meet the increasing requirement demands of the automotive and industrial markets. These sophisticated Polyesters are the solution to your smoothness, low-bake, durability and physical property requirements. An unsurpassed application development program enables consistently friendly use on a variety of substrates.

Product Features

- Available in a wide range of colors and glosses
- Excellent Exterior durability
- Good chemical resistance
- Easy to apply
- Non Skid Effect
- Specifically formulated to meet the requirements of AAMA 2604



Technical Properties

| Property | Test Method | Value |
|-------------------|-------------|---|
| Color | _____ | Non Skid White |
| Appearance | | Texture |
| Gloss | ASTM D-523 | 2.0 - 5.0 @ 60° |
| Adhesion | ASTM D-3359 | Dry: 100% (5B Pass) Wet: 100% (5B Pass) Boiling Water: 100% (5B Pass) |
| Hardness | ASTM D-3363 | H Pencil (Eagle) |
| Impact Resistance | ASTM D-2794 | 100 In.-lbs. Direct No Flaking 80 In.-lbs. Reverse-No Flaking |
| Abrasion | ASTM D-968 | Pass - Coefficient Value Min 20 |
| Conical Mandrel | ASTM D-522 | 1/8" - No Flaking |
| Salt Spray | ASTM B-117 | 3000 Hrs. Pass Blister Rating - 8 Minimum Scribe Rating - 7 Minimum |
| Humidity | ASTM D-2247 | 3000 Hrs. Pass Blister Rating - 8 Minimum |

Film Properties were determined using 3.0 - 4.5 mils powder film over Alodine (chromated aluminum) test panels.

Application Data

| | |
|--|--|
| Application Type: | Electrostatic Spray |
| Recommended Bake: | 10 Minutes at 400 °F Metal Temperature See Cure Curve PCS-002 |
| Specific Gravity: | 1.58 ± .05 |
| Theoretical Coverage: | 121 Sq. Ft. per pound at 1.0 mil |
| Shelf Life from Date of Manufacture (@ 40-60% RH): | 77 °F Maximum - 12 Months |

PPG recommends that all material be used in FIFO order (first in - first out). Materials that exceed the recommended shelf life should be tested prior to use.

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Technical Properties

| Property | Test Method | Value |
|------------------------|-----------------------|--|
| Weathering | | |
| South Florida Exposure | Minimum 5 Years | Pass |
| EMMAQUA NTW | Minimum 1450 MJ | Pass |
| Chalk Resistance | ASTM D4214A | Pass - No more than 8 |
| Gloss Retention | ASTM D523 | Pass - Minimum 30% |
| Color Retention | ASTM D2244 | Pass - < 5.0 DE |
| Resistance to Erosion | ASTM D224 | Pass - Less than 10% film loss |
| Chemical Resistance | | Pass: No color change, no loss of adhesion, no blistering or no visual appearance change |
| Muriatic Acid | 15 minute spot test | |
| Mortar | 24 hour pat test | |
| Nitric Acid | 30 minute vapor test | |
| Detergent Immersion | 38C for 72 hours | |
| Window Cleaner | 10 drops for 24 hours | |



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