



## 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 appliance 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

Specifically formulated to meet the requirements of

AAMA 2604

## Technical Properties

| Property          | Test Method | Value   |
|-------------------|-------------|---|
| Color             | _____       | Dark Bronze<br>PSPYX3870Y   |
| Appearance        |             | Metallic  |
| Gloss             | ASTM D-523  | 40 - 60 @ 60°   |
| Adhesion          | ASTM D-3359 | Dry: 100% (5B Pass)<br>Wet: 100% (5B Pass)<br>Boiling Water: 100% (5B Pass) |
| Hardness          | ASTM D-3363 | 2H Pencil (Eagle)   |
| Impact Resistance | ASTM D-2794 | Min. 3 mm deformation - tape pull no removal                                |
| Abrasion          | ASTM D-968  | Pass - Coefficient Value Min 20   |
| Salt Spray        | ASTM B-117  | 3000 Hrs. Pass<br>Blister Rating - 8 Minimum<br>Scribe Rating - 7 Minimum   |
| Humidity          | ASTM D-2247 | 3000 Hrs. Pass<br>Blister Rating - 8 Minimum                                |

*Film Properties were determined using 1.5 - 3.0 mils powder film over Alodine (chromated aluminum) test panels.*

## Application Data

|  |  |
|--|--|
| Application Type:                                  | Electrostatic Spray  |
| Recommended Bake:                                  | 10 Minutes at 400 °F Metal Temperature<br>See Cure Curve PCT-051 |
| Specific Gravity:                                  | 1.55 ± .05   |
| Theoretical Coverage:                              | 124 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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