



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

Technical Properties

Property	Test Method	Value
Color	_____	ANSI 70 Gray
Appearance		Smooth
Gloss	ASTM D-523	75 - 85 @ 60°
Adhesion	ASTM D-3359	100% (5B Pass)
Hardness	ASTM D-3363	H Pencil (Eagle)
Impact Resistance	ASTM D-2794	80 In.-lbs. Direct 80 In.-lbs. Reverse
Salt Spray	ASTM B-117-94 ASTM 1654-92	1500 Hours 6 Minimum
Humidity	ASTM D-4585 @ 45° C	No Blisters

Film Properties were determined using 3.0 - 4.0 mils powder film over zinc phosphated, non-chrome rinse pretreated, 18 gauge, unpolished cold rolled steel test panels.

Application Data

Application Type:	Electrostatic Spray
Recommended Bake:	20 Minutes at 380 °F Metal Temperature See Cure Curve PCT-016
Specific Gravity:	1.45 ± .05
Theoretical Coverage:	133 Sq. Ft. per pound at 1.0 mil
Shelf Life from Date of Manufacture (@40-60% RH):	80 °F Maximum - 24 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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ANSI C57.12.28

Specified Test	Requirement	Result	Pass / Fail
ASTM B117 / D1654 Salt Spray	6 Minimum	6 Minimum	Pass
ASTM D3359 Cross Hatch Adhesion	5B	5B	Pass
ASTM D4585 (mod) Humidity	No blistering; no more than 1 unit change in pencil hardness	No blistering; no softening; moderate color change	Pass
ASTM D2794 Impact / B117 Salt Spray	80 direct; no cracking; no rust	80 direct; no cracking; no rust	Pass
Insulating Fluid Soak	No loss of adhesion; blistering, streaking, no more than 1 unit change in pencil hardness	No Change	Pass
ASTM G53 QUV	Minimum 50% gloss retention @ 500 hours, no cracking	Minimum 70% retention	Pass
SCAB / ASTM D1654	6 Minimum	6 Minimum	Pass
Taber Abrasion	3000 cycles; No metal exposed	No metal exposed	Pass
ASTM D3170 / SAEJ400 Gravelometer		Average 3B	Pass

The above results are typical based on a film thickness of 3.0 - 4.0 mils on 18 gauge steel panels, pretreated with zinc phosphated and a non-chrome rinse. Performance may vary with different colors.



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