



PPG Powder Coatings

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" Polyester Powder Coatings provide a combination of good physical and chemical resistance properties. This extensive line of Polyester Powders is antiseptically 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
- Low cure capabilities
- Exterior durability
- Good chemical resistance
- VOC's are essentially zero
- UL Approved

TECHNICAL PROPERTIES

Property	Test Method	Value
Color	_____	No Restrictions
Gloss	ASTM D-523	50 - 100 @ 60°
Adhesion	ASTM D-3359	100% (5B Pass)
Hardness	ASTM D-3363	H - 2H Pencil (Eagle)
Impact Resistance	ASTM D-2794	40 - 160 In.-lbs. Direct 40 - 160 In.-lbs. Direct
Conical Mandrel	ASTM D-522	1/8" Mandrel - No Cracking
Salt Spray	ASTM B-117	1000 Hrs. Pass <1/8" Scribe Creep - No Blisters
Humidity	ASTM D-1735	1000 Hrs. Pass <1/16" Scribe Creep - No Blisters

Film Properties were determined using 1.5 - 3.0 mils powder film over iron phosphated, chrome rinse pretreated, 22 gauge, unpolished cold rolled steel test panels. Impact resistance was determined at 1.5 mils.

APPLICATION DATA

Application Type:	Electrostatic Spray
Recommended Bake:	15 Minutes at 285 °F Metal Temperature See Cure Curve PCT-021
VOC:	Essentially Zero
Specific Gravity:	Color Dependant
Theoretical Coverage:	Color Dependant
Shelf Life from Date of Manufacture:	80 °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.

The technical and application properties contained in this data sheet were determined by the product chemistry. The actual results may vary with the color and gloss level of each product. A specific data sheet is available for individual products upon request.