



We protect and
beautify the world™

PCT99125

ENVIROCRON® Powder Coat

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

Polyester TGIC chemistry
Excellent Exterior durability
Good chemical resistance
UL Approved
Tested and approved to material specification:
1E1950H direct to metal or to
1E1952H with approved primer.

Technical Properties

Property	Test Method	Value
Color		60 Black UD
Appearance		Smooth
Gloss	ASTM D-523	55 - 65 @ 60°
Adhesion	ASTM D-3359	100% (5B Pass)
Hardness	ASTM D-3363	3H Pencil (Eagle)
Impact Resistance	ASTM D-2794	40 In.-lbs. Direct 20 In.-lbs. Reverse
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 3.0 - 3.5 mils powder film over iron phosphated pretreated, 22 gauge cold rolled steel test panels (75 - 90 microns). Over Caterpillar approved primer, film properties were determined at 1.50 - 1.77 mils (38 - 45 microns). Minimum / Maximum topcoat DFT of 1.5 - 6.0 mils (38 - 150 microns). Minimum / Maximum system DFT of 3.0 - 7.8 mils (75 - 195 microns).

Application Data

Application Type:	Electrostatic Spray
Recommended Bake:	10 Minutes at 400 °F Metal Temperature See Cure Curve PCT-001A
Specific Gravity:	1.39 ± .05
Theoretical Coverage:	138 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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