



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" Epoxy Powder Coatings provide a combination of good physical and chemical resistance properties. This extensive line of Epoxy Powders is manufactured to meet the increasing requirement demands of the automotive and industrial markets. These sophisticated Epoxies 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

Excellent chemical resistance

Improved outgassing properties

Excellent resistance to chemicals with a pH range of 3 to 14 at ambient temperature.

Designed for water + chemical tanks

NSF 61 Certified

Technical Properties

Property	Test Method	Value
Color	_____	OGF Tank White
Appearance		Smooth
Gloss	ASTM D-523	80+
Adhesion	ASTM D-3359	100% (5B Pass)
Hardness	ASTM D-3363	5H Pencil (Eagle)
Impact Resistance	ASTM D-2794	160 In.-lbs. Direct 160 In.-lbs. Reverse
Abrasion	ASTM D-4060	3000 Cycles, CS10 wheels, 1000g, <200mg loss
Gravelometer	ASTM D-3170	70psi, ambient and frozen, 6A rating
Conical Mandrel	ASTM D-522	1/8"
Salt Spray	ASTM B-117	<1/4" creep @ 1008 Hrs for Iron Phosphate Steel, <1/4" creep @ 3528 hrs for blasted CRS, <1/4" creep @ 4032 hrs for zinc phosphate steel
Humidity	ASTM D-1735	100F, 100% RH - 1000+ hours

Film Properties were determined using 5.0 - 10.0 mils powder film over 22 gauge (0.032") cold rolled steel B1000 test panels. The maximum film thickness is 10.0 mils.

Maximum limit of water soluble salts on steel of 20mg/m² as mixed salts per ISO 8502-6 (Bresle patch method).

Application Data

Application Type:	Electrostatic Spray
Recommended Bake:	10 Minutes at 350 °F Metal Temperature See Cure Curve PCM-001
Add. Bake Information:	10 Minutes at 350 F Minimum Metal Temp. or Equivalent
Specific Gravity:	1.67 ± .05
Theoretical Coverage:	115 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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We protect and
beautify the world™

PCMT80114

ENVIROCRON® Powder Coat

Technical Properties

Property	Test Method	Value
Falling Sand Abrasion	ASTM D-968	>70 L/mil
Heat Resistance	Dry	300°F
Heat Resistance	Immersed in Water	200°F
Scrape Adhesion	ASTM D-2197	10 passes of 12.4 kg



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