

PCTT29460 ENVIROCRON® 04 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

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

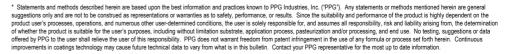
Property	Test Method	Value
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Color		Bronze
Appearance		Hammertone
Gloss	ASTM D-523	Visual
Adhesion	ASTM D-3359	Dry: 100% (5B Pass) Wet: 100% (5B Pass) Boiling Water: 100% (5B Pass)
Hardness	ASTM D-3363	2H Pencil (Eagle)
Impact Resistance	ASTM D-2794	40 InIbs. Direct
		40 InIbs. Reverse
Abrasion	ASTM D-968	Pass - Coefficient Value Min 20
Conical Mandrel	ASTM D-522	1/2" - No Cracking
Salt Spray	ASTM B-117	3000 Hrs. Pass Blister Rating - 8 Minimum Scribe Rating - 7 Minimum
Humidity	ASTM D-2247	3000 Hrs. Pass Blister Rating - 8 Minimum

Film Properties were determined using 2.0 - 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
	See Cure Curve PCT-050
Specific Gravity:	1.65 ± .05
Theoretical Coverage:	117 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

Weathering South Florida Exposure EMMAQUA NTW Chalk Resistance Gloss Retention Color Retention Resistance to Erosion Chemical Resistance Muriatic Acid Mortar Nitric Acid Detergent Immersion Window Cleaner

Test Method

Minimum 5 Years Minimum 1450 MJ ASTM D4214A ASTM D523 ASTM D2244 ASTM D224

15 minute spot test 24 hour pat test 30 minute vapor test 38C for 72 hours 10 drops for 24 hours

Value

Pass Pass Pass - No more than 8 Pass - Minimum 30% Pass - < 5.0 DE Pass - Less than 10% film loss Pass: No color change, no loss of adhesion, no blistering or no visual appearance change



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