

ENVIROCRON® Powder Coat

Polyester Acrylic Ultra Durable PCSP90101 - Flat Black

POWDER COATING

Technical Data Sheet

Highlights

PPG's Enviracryl™ and Envirocron® powder coatings are aesthetically pleasing, produce a durable uniform matte finish and can be custom formulated in a variety of surface textures.

PPG's "World Class" Ultradurable
Polyester Acrylic Powder Coatings
provide excellent durability and
performance properties. This extensive
line of Ultradurable Polyester Acrylic
Powders is manufactured to meet the
increasing quality requirements of the
automotive, industrial and commercial
markets. These sophisticated
ultradurable polyester acrylics are the
solution to your smoothness, durability
and physical property requirements. An
unsurpassed application development
program enables consistently friendly
use on a variety of substrates.

TEST CONDITIONS

Property	Test method	Value
Substrate		Pretreated steel panels
Recommended Thickness	ASTM D 7091	1.5 - 3.5 mils
Curing Conditions	Metal Temperature	15 min @ 375 °F

PRODUCT PROPERTIES

Property	Test method	Value
Appearance	Visual Inspection	Smooth
Gloss 60°	ASTM D 523	2.0 Maximum
Adhesion	ASTM D 3359	100% (5B Pass)
Hardness	ASTM D 3363	H - 2H Pencil (Eagle)
Impact - Direct	ASTM D 2794	80 in-lbs
Impact - Reverse	ASTM D 2794	80 in-lbs
Conical Mandrel	ASTM D 522	1/8" Mandrel - No cracking
Specific gravity	Calculated	1.73 ± .05
Theoretical coverage	Calculated	111 ft²/lbs at 1.0 mil
		22.8 m²/kg at 25 μm



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CURING WINDOW* (object temperature)

See Cure Curve PCS-001

30 min @ 325 °F (163 °C) 15 min @ 350 °F (177 °C) 5 min @ 400 °F (204 °C)

*Temperature and time to be adjusted to accomplish proper curing of coating. This can be achieved using infrared, convection, or combination ovens.

STORAGE STABILITY

6 months at 80 °F maximum

Materials need to be stored in sealed plastic bags under dry and cool conditions. Do not expose to sunlight.

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.

HEALTH AND SAFETY

For comprehensive Health, Safety, and Environmental advice, please refer to the relevant Safety Data Sheets, and information printed on the product label.

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