Technical Bulletin

PRSS 11140
PC900084 HR Black III

Description:

PRSS 11140, PC900084 HR Black III is a Polyester-TGIC Powder coating designed for interior or exterior applications.

Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.54±0.05
	Theoretical Coverage	125 sq.ft/lb./mil
	Shelf life (at below 80°F in dry condition)	12 months
Typical Physical Properties:	Film Thickness	2.0-3.0 mils
	Gloss 60'angle (ASTM D-523-89)	60-70
	Hardness (ASTM D-3363-92A)	2H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5B (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	160/160 in-lbs.
	Salt Spray (ASTM B117, 2000 hrs., Bonderite 1000 panel)	Rating 7 (Creepage)
	Salt Spray (ASTM B117, 3000 hrs., Alodine panel)	Rating 7 (Creepage)

Application Data:

PRSS 11140, PC900084 HR Black III can be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV or fluidized bed.

Cure Schedule:

PRSS 11140, PC900084 HR Black III can be cured in a direct or indirect gas convection oven, an electric oven, or an Infrared. A combination of any of these ovens is also suitable.

Std. Cure: 10 minutes @ 400°F Peak Metal Temperature

Storage:

PRSS 11140, PC900084 HR Black III should be stored at temperatures below 80°F, in a dry area away from any heat source.

Notes:

All tests were performed on B-1000 iron phosphated panels with a nominal film thickness of 2.0-3.0 mils. Please refer to the SDS for safety information.

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