



Technical Bulletin

PRMF 95665 Extreme Chrome Bonded

Description:	PRMF 95665, Extreme Chrome Bonded is a thermosetting Polyester-TGIC coating and designed for interior applications. A clear coat is recommended for exterior applications.	
Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.27±0.05
	Theoretical Coverage	151 sq.ft/lb./mil
	Shelf life (at below 80°F in dry condition)	12 months
Typical Physical Properties:	Film Thickness	2.0-3.0 mil
	Gloss 20°angle (ASTM D-523-89)	850-925
	Gloss 60°angle (ASTM D-523-89)	475-525
	Hardness (ASTM D-3363-92A)	H-2H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5B (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	100/100 in-lbs.
	Salt Spray (ASTM B117, 1000 hrs, Bonderite 1000 panel)	Not applicable
Application Data:	Salt Spray (ASTM B117, 2000 hrs, Alodine panel)	Not applicable
	PRMF 95665, Extreme Chrome Bonded is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.	
Cure Schedule:	PRMF 95665, Extreme Chrome Bonded 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.	
	Standard Cure:	10 minutes @ 400°F Peak Metal Temperature
Storage:	PRMF 95665, Extreme Chrome Bonded 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 Phosphate and Alodine panels with a nominal film thickness of 2.0-3.0 mils. Please refer to the SDS for safety information. Bonded metallic and effect powder coatings can be recycled and this is one of their big advantages over dry blended powder. However there is still a need for some caution. The amount of reclaimed powder needs to be carefully monitored and ideally reclaim should be automated. It is recommended that recycled powder should be no more than 30% at all times. If the recycled powder level fluctuates too much, this could potentially lead to color inconsistency over a large project. It is best practice to keep the hopper well charged and to maintain a 70:30 ratio of virgin powder to reclaim at all times. Reclaim can of course be less but should never be higher than 30%.	

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