



Technical Bulletin

PLSF 80037 RAL 9003 Crystal White

Description:	PLSF 80037, RAL 9003 Crystal White is a thermosetting Polyester-TGIC powder coating and designed for interior and exterior durability.	
Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.51±0.05
	Theoretical Coverage	127 sq.ft/lb./mil
Typical Physical Properties:	Film Thickness	1.7+ mil
	Gloss 60°angle (ASTM D-523-89)	90+
	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)	160/160 in-lbs.
	Salt Spray (ASTM B117, 1000 hrs, Bonderite 1000 panel)	Rating 7 (creepage)
	Salt Spray (ASTM B117, 2000 hrs, Alodine panel)	Rating 7 (creepage)
Application Data:	PLSF 80037, RAL 9003 Crystal White is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.	
Cure Schedule:	PLSF 80037, RAL 9003 Crystal White 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 @ 340°F Peak Metal Temperature
Storage:	PLSF 80037, RAL 9003 Crystal White should be stored at temperatures below 80°F, in a dry area away from any heat source.	
Notes:	All tests were performed on Bonderite 1000, Iron Phosphate panels with a nominal film thickness of 1.5-2.5 mils. Please refer to the SDS for safety information.	

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