



Technical Bulletin

PRSL 84396 Satin Ral 9016 White

Description:	PRSL 84396, Satin Ral 9016 White is a Polyester-TGIC Powder coating designed for interior or exterior applications, particularly natatorium environment. This product formulated to resist high humid, chlorine and water. ELSS 90056 is recommended for highly corrosive and chemical resistance applications as basecoat.	
Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.59±0.05
	Theoretical Coverage	121 sq.ft/lb./mil
	Shelf life (at below 80°F in dry condition)	12 months
Typical Physical Properties:	Film Thickness	2.5-4.0 mils
	Gloss 60°angle (ASTM D-523-89)	25-35
	Hardness (ASTM D-3363-92A)	H-2H
	Flexibility (ASTM D-1737-89)	1/4 inch
	Adhesion (ASTM D-3359-95A)	5B (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	100/100 in-lbs.
	Humidity Resistance (ASTM D2247, 2000 hrs)	No blisters*
	Salt Spray (ASTM B117, 500 hrs., Bonderite 1000 panel)	Rating 7 (Creepage)
Application Data:	PRSL 84396, Satin Ral 9016 White can be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV or fluidized bed.	
Cure Schedule:	PRSL 84396, Satin Ral 9016 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.	
	Std. Cure:	10 minutes @ 400°F Peak Metal Temperature
Storage:	PRSL 84396, Satin Ral 9016 White 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 2.5-3.5 mils. Please refer to the SDS for safety information.	

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