



Technical Bulletin

PRSL 22999 Ral 5005 Signal Blue

Description:	PRSL 22999, Ral 5005 Signal Blue is a Polyester-TGIC Powder coating designed for interior or exterior applications.	
Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.55±0.05
	Theoretical Coverage	124 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)	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)	80/80 in-lbs.
	Salt Spray (ASTM B117, 1000 hrs., Bonderite 1000 panel)	Rating 7 (Creepage)
	Salt Spray (ASTM B117, 3000 hrs., Alodine panel)	Rating 7 (Creepage)
Application Data:	PRSL 22999, Ral 5005 Signal Blue can be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV or fluidized bed.	
Cure Schedule:	PRSL 22999, Ral 5005 Signal Blue 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 @ 375°F Peak Metal Temperature
Storage:	PRSL 22999, Ral 5005 Signal Blue 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.	

Any recommendations contained herein or any information given by any IFS COATINGS representative is based on tests and information believed to be accurate. However, since we have no control over the conditions under which our products are transported, stored, handled, or used by purchasers, all recommendations and sales are made on condition that IFS COATINGS will not be held liable for any damages resulting from their use. No representative of ours has any authority to waive or change this provision.