



# Technical Bulletin

## RAL 5004 BLACK BLUE PLSF 20293

**Description:** This product is a polyester TGIC powder coating, designed for interior or exterior applications.

**Typical Applications:** General industrial finishing.

<b>Typical Physical Properties:</b>	Film Thickness	1.4+ mil
	Gloss 60°angle (ASTM D-523-89)	80+
	Hardness (ASTM D-3363-92A)	H – 2H
	Flexibility (ASTM D-1737-89)	1/16 inch
	Adhesion (ASTM D-3359-95A)	5b (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	160/160 in-lbs
	Exterior Durability	Very Good
	Chemical Resistance	Good
	Salt Spray (ASTM B117)	1000 Hrs < 1/8'
	Specific Gravity (calculated)	1.50 +/- 0.05

**Application Data:** Polyester TGIC's are to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kv.

**Cure Schedule:** Polyester TGIC's 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:** Product 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 phosphated panels with a nominal film thickness of 2 mils. Please refer to the SDS for safety information.

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