



# Technical Bulletin

## Ral 7003 Moss Gray PLSF 70557

**Description:** Thermosetting polyester TGIC powder coating designed for interior or exterior use.

**Typical Applications:** General metals, architectural, automotive, lawn & garden furniture, stadium seating, light fixtures, marine, fencing, etc.

<b>Typical Physical Properties:</b>	Film Thickness	1.7-3.0+ 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	Good
	Chemical Resistance	Good
	Salt Spray (ASTM B117)	1000 Hrs < 1/8'
	Specific Gravity (calculated)	1.50+/- .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<sup>o</sup>f Peak Metal Temperature

**Storage:** Product should be stored at temperatures below 80<sup>o</sup>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 MSDS for safety information.

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