



## Technical Bulletin

### PLSF 90416 Quick Silver II

**Description:** *PLSF 90416, Quick Silver II* is a thermosetting Polyester-TGIC powder coating and designed for interior or exterior applications.

**Typical  
Powder Properties**

Specific Gravity (ASTM D5965-96, C)	1.52±0.05
Theoretical Coverage	126 sq.ft/lb./mil
Mass loss during the cure (ASTM D3451-92)	<1.0%

**Typical  
Physical Properties:**

Film Thickness	1.8-3.0 mil
Gloss 60'angle (ASTM D-523-89)	50-60
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)

**Application Data:** *PLSF 90416, Quick Silver II* is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.

**Cure Schedule:** *PLSF 90416, Quick Silver II* 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 90416, Quick Silver II* 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 2.0 mils. Please refer to the SDS for safety information.

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