Technical Bulletin

SLSL 10639
93032941 L/C Kim Satin Black

Description:

SLSL 10639, 93032941 L/C Kim Satin Black is a thermosetting Super Polyester-TGIC powder coating and designed for excellent exterior durability.

Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.63±0.05
	Theoretical Coverage	118 sq.ft/lb./mil
	Shelf life (at below 80°F in dry condition)	12 months
Typical Physical Properties:	Film Thickness	2.0-3.0 mil
	Gloss 60'angle (ASTM D-523-89)	55-65
	Hardness (ASTM D-3363-92A)	2H-3H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5B (100%)
	Pull off Adhesion (ASTM D4541)	>1000 PSI
	Impact Direct (ASTM D-2794-93, No loss of adhesion)	100/100 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:

SLSL 10639, 93032941 L/C Kim Satin Black is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.

Cure Schedule:

SLSL 10639, 93032941 L/C Kim Satin Black 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 @ 360°F Peak Metal Temperature

Storage:

SLSL 10639, 93032941 L/C Kim Satin Black 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 3.0-4.0 mils. Please refer to the SDS for safety information.

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