Technical Bulletin

PRSF 80005
Choice Sky White

Description:

PRSF 80005, Choice Sky White is a thermosetting Polyester-TGIC powder coating and is designed for exterior durability, and will meet or exceed AAMA 2603. This product has been formulated for exceptionally high gloss and flow.

Typical Powder Properties:

Specific Gravity (ASTM D5965-96, C)	1.50±0.05
Theoretical Coverage	128 sq.ft/lb./mil
Mass loss during the cure (ASTM D3451-92)	<1.0%

Typical Physical Properties:

Film Thickness*	2.0-3.0 mil
Gloss 60'angle (ASTM D-523-89)	90+ (visual)
Hardness (ASTM D-3363-92A)	2H
Flexibility (ASTM D-1737-89)	1/8 inch
Adhesion (ASTM D-3359-95A)	5B (100%)
Impact Direct/Indirect (ASTM D-2794-93)	120/120 in-lbs.
Salt Spray (ASTM B117, 1000 hrs, Bonderite 1000 panel)	Rating 7 (creepage)
Salt Spray (ASTM B117, 2000 hrs, Alodine panel)	Rating 7 (creepage)

Application Data:

PRSF 80005, Choice Sky White is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.

Cure Schedule:

PRSF 80005, Choice Sky White 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 @ 400°F Peak Metal Temperature

Storage:

PRSF 80005, Choice Sky White 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 panels with a nominal film thickness of 2.0-3.0 mils. Please refer to the SDS for safety information.

**min film thickness required for dry on dry application is 3.0-4.0 mil*

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