



Technical Data

SUPERDURABLE

Powder Coating

Description:

Jamestown’s SUP Superdurable Polyester powder coatings technology, used on certain component parts on the Pittsburgh’s 6th Street Bridge, are specifically designed to provide excellent resistance to outdoor elements. These high performance coatings provide excellent smoothness, flexibility and over-bake resistance.

Product: SUP-1445-YL 6th Street Bridge Yellow		
Gloss	45 ± 3% (60° geometry)	
Specific Gravity	1.64 ± 0.05	
Recommended Bake	15 minutes @ 375°F (metal temperature)	
Film Thickness	1.8 to 2.5 mils recommended	
Impact Resistance	80 inch pounds direct	ASTM D-2794
Hardness	3H pencil	ASTM D-3363
Flexibility	1/8 inch mandrel	ASTM B-522
Adhesion	100% crosshatch	ASTM D-3359
Overbake Resistance	100% time at temperature	
Corrosion	1000 hrs ≤ 1.0 mm creep	ASTM B-117
Humidity	1000 hrs no blisters	ASTM D-2247
Weatherability	1500 hrs QUV with greater than 50% gloss retention	
Storage	9 months when stored at 75°F or less	

Properties tested over 20-gauge iron phosphated steel.
 Results are based on laboratory evaluations and are offered as guidance without warranty.