



Technical Data

**HYBRID**

Powder Coating



Description:

Jamestown's HYS Epoxy-Polyester Hybrid powder coatings, like those used to coat metal office furniture, are designed for applications where a combination of excellent mechanical properties is complimented by very good chemical and corrosion resistance. These high performance coatings provide excellent flexibility and smoothness. Epoxy-polyester Hybrid powder coatings are not recommended for applications where weathering resistance is critical.

Product: HYS-1323-BK 040 Mist Black		
<b>Gloss</b>	40 ± 5% (60° geometry)	
<b>Specific Gravity</b>	1.48 ± 0.05	
<b>Recommended Bake</b>	15 minutes @ 360°F (metal temperature)	
<b>Film Thickness</b>	1.8 to 2.5 mils recommended	
<b>Impact Resistance</b>	160 inch pounds direct	ASTM D-2794
<b>Hardness</b>	H-2H pencil	ASTM D-3363
<b>Flexibility</b>	1/4 inch mandrel	ASTM B-522
<b>Adhesion</b>	100% crosshatch	ASTM D-3359
<b>Overbake Resistance</b>	100% time at temperature	
<b>Corrosion</b>	1000 hrs ≤ 1.0 mm creep	ASTM B-117
<b>Humidity</b>	1000 hrs no blisters	ASTM D-2247
<b>Weatherability</b>	Not recommended for outdoor applications	
<b>Storage</b>	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.