

# Powder Coating Data Sheet

## Epoxy - Polyester Hybrids

### Description

Epoxy-Polyester Hybrid powder coatings combine excellent mechanical properties with good overbake resistance. Epoxy-polyester hybrid coatings properties make them easy to use in a wide variety of situations. Characteristics include excellent flexibility and adhesion, good overbake stability and ease of use. Curing rates of hybrids can also be readily tailored to suit any customers needs.

### Applications

Typical uses include store shelving and racking, industrial racking, office furniture, school lockers, and bathroom partitions. Epoxy polyester products are recommended only for interior applications.

Properties noted below are based on typical powder coatings, applied on Bonderite CRS panels

### Powder Properties

<b>Cure Schedule</b>	Generally fast curing, with cure schedules ranging from 4' to 12' at 375°F metal temperature
<b>Storage Stability</b>	Excellent - 6 months minimum at less than 25C
<b>Specific Gravity (calculated)</b>	1.2 to 1.8 depending on formulation
<b>Particle Size Distribution</b>	55-65% > 32 microns (Alpine Jet Sieve)

### Cured Film Properties

<b>Gloss</b>	Gardner 60 deg.	10-100
<b>Impact</b>	ASTM D-2794	Up to 160 in lbs
<b>Pencil Hardness</b>	ASTM D3363	H to 2H
<b>Cross Hatch Adhesion</b>	ASTM D-3359	Full pass (5B)
<b>Flexibility - Conical Mandrel</b>	ASTM D522	180 degrees 1/4 " Mandrel
<b>Overbake Resistance</b>	200 % Overbake	Fair to excellent, formulation and colour dependent

Note: This information is given in good faith based upon information believed to be true at the time of issue. However, no warranty expressed or implied can be given as results may vary due to application and other conditions. This table is not intended to give exact specifications for any particular product but to be used only as a general guide.

**Erie Powder Coatings Inc**

Grassie ON Canada p. 905-957-4086 f. 905-957-4087

[www.Eriepowder.com](http://www.Eriepowder.com)

[Info@Eriepowder.com](mailto:Info@Eriepowder.com)

North East PA USA

**EPC Powder Mfg**