

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

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

Cured Film Properties

Gloss	Gardner 60 deg.	10-100
Impact	ASTM D-2794	Up to 160 in lbs
Pencil Hardness	ASTM D3363	H to 2H
Cross Hatch Adhesion	ASTM D-3359	Full pass (5B)
Flexibility - Conical Mandrel	ASTM D522	180 degrees 1/4 " Mandrel
Overbake Resistance	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.

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