

Powder Coating Data Sheet

Acrylic Hybrids

Description

Acrylic Hybrid powder coatings combine high hardness and natural stain and graffiti resistance. These coatings have excellent overbake stability, and fair flexibility. Acrylic hybrids tend to be used for specialty applications where high scratch resistance and stain resistance are important.

Applications

Typical uses for acrylic hybrids include office furniture, bathroom stalls, lockers and shelving. Acrylic hybrid 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	12' – 15' 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.	50 - 100
Impact	ASTM D-2794	20 - 80 in lbs
Pencil Hardness	ASTM D3363	3H – 4H
Cross Hatch Adhesion	ASTM D-3359	Full pass (5B)
Flexibility - Conical Mandrel	ASTM D522	180 degrees 1/4 " Mandrel
Overbake Resistance	200 % Overbake	Very good

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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