

Chartwell B-517.4

TECHNICAL DATA

ADHESION PROMOTERS

GENERAL DESCRIPTION: A secondary amino functional metal organic adhesion promoter synthesized with a stable preneutralized metal complex. The product is supplied in a solvent carrier consisting of ethylene glycol.

PHYSICAL PROPERTIES:

Physical form	Clear liquid
Color	v. pale yellow
Metal content (Total %)	6.3 - 6.9
Complexed organics	21.6 - 22.1
Specific gravity (g/ml)	1.25
pH (2% soln)	6.6
pH (as supplied)	9.64
Active matter (wt %)	39.6
Solvent	ethylene glycol
Organofunctionality	secondary amine

APPLICATION:

(1) Coatings: Recommended for two component epoxies and urethanes, all water-borne coatings having a pH of 7-11; including coatings formulated with acrylic/ styrenated acrylic latex emulsions, and water-borne polymer dispersions of alkyds, epoxies, urethanes and others. Will improve adhesion to all metals, improve salt fog resistance, reduce creep at the scribe, and reduce blistering. Also, improved adhesion to many plastics, concrete, rubber, wood and ceramics.

(2) Adhesives: Recommended for two component epoxies and urethanes; most acrylic and similar latex emulsion based adhesives, and water-borne epoxy/ urethane to enhance adhesion to metals, plastics, concrete, elastomers, and ceramics. Increased T-peel strength. Improved resistance to moisture, heat and corrosive environments.

PROCEDURE:

1. Coatings/ Solvent Borne: For two component epoxy add to hardener ONLY at 1.0-2.0 per cent based upon combined resin + hardener. For two component urethane add to polyol ONLY (1-2 per cent based upon combined part A + part B). For other SB addition to the grind stage with high shear mixing is strongly recommended. *Must be high shear mixed with a Cowles type mixer. Milling alone is not sufficient.

2. Coatings/ Adhesives: Fully compatible with coatings/ inks having a pH of 7-11. May be added directly to latex or polymer dispersion or post added in many cases. **No special mixing or dilution required.** Recommended use level is 1.0 - 2.0 wt per cent based upon polymer solids + organic pigment weight + anti-corrosive pigment weight.

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