



Chartwell B-515.71M

GENERAL DESCRIPTION: An amino functional metal organic adhesion promoter synthesized with a stable neutralized metal complex. The product is supplied in a solvent carrier consisting of ethylene glycol. The amine group is weakly complexed with zinc rendering it nonreactive at ambient temperature.

PHYSICAL PROPERTIES:

Physical form	Clear liquid
Color	pale yellow
Metal content (Total %)	7.8 - 8.4
Complexed organics	19.6 - 20.4
Specific gravity (g/ml)	1.25
pH (1% soln)	6.9
Active matter (wt %)	41.3
Solvent	ethylene glycol
Organofunctionality	amino

APPLICATION:

(1) Adhesives: Recommended for 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.

(2) Coatings: Recommended for 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.

PROCEDURE:

1. 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.

2. Coatings/ Solvent Borne: Optimum performance is achieved when added directly to the grind stage resin and high shear mixed for 15 mins before adding other components. **Must be high shear mixed with a Cowles type mixer. Milling alone is not sufficient.**