

GENERAL DESCRIPTION: An 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 | 19.9 - 20.4 |
| Specific gravity (g/ml) | 1.25 |
| pH (2% soln) | 7.7 |
| pH (as supplied) | 9.64 |
| Active matter (wt %) | 39.6 |
| 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: Addition to the grind stage with high shear mixing is strongly recommended.

