

Chartwell B-515.1W

TECHNICAL DATA

ADHESION PROMOTERS

GENERAL DESCRIPTION: An amino functional metal organic adhesion promoter synthesized using a STABILIZED BIMETAL PRECURSOR. The product is supplied in water and has zero VOC.

PHYSICAL PROPERTIES:

Physical form	Clear liquid
Color	pale yellow
Metal content (Total %)	5.2 - 5.9
Complexed organics	9.1 - 9.3
Specific gravity (g/ml)	1.145
pH (2% soln)	4.6
Active matter (wt %)	21.5
Solvent	water
Organofunctionality	amino

APPLICATION:

(1) Adhesives: Recommended for epoxy, urethane, and rubber adhesives to enhance adhesion to metals, plastics, and elastomers. Increased T-peel strength. Improved resistance to moisture, heat and corrosive environments.

(2) Coatings: Recommended for enhancing adhesion of epoxy, urethane, alkyd, acrylic, polyester, and other water-borne coatings to metal surfaces with resultant reduction in corrosion. Also enhances adhesion to many plastic surfaces. Useful in most water-borne coatings (Latex and polymer dispersion) for enhanced adhesion to metal and plastic substrates.

PROCEDURE:

1. Coatings/ Inks: See bulletin "Use Procedure Recommendations"

2. Adhesives: 1.0 - 2.0 phr, post add recommended under agitation.

3. Plastics: 1.0 - 2.0 phf (parts per hundred filler); recommend pretreat of pigments/ fillers in a Henschel or similar mixer and subsequently compound with resin. For high surface area pigments/ fillers, ie fumed silica, carbon black, phthalo and similar.

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