

Chartwell B-523.2W

TECHNICAL DATA

ADHESION PROMOTERS

GENERAL DESCRIPTION: A hybrid carboxy/ hydroxy functional metal organic adhesion promoter synthesized with a stable preneutralized metal complex. The product is supplied in water and has zero VOC.

PHYSICAL PROPERTIES:

Physical form	Clear liquid
Color	v. pale yellow
Metal content (Total %)	6.3 - 6.9
Complexed organics	24.1 - 24.6
Specific gravity (g/ml)	1.19
pH (2% soln)	5.3
Active matter (wt %)	31.4
Solvent	water
Organofunctionality	carboxy/ hydroxy

APPLICATION:

(1) Coatings/ Inks: Recommended for all water-borne coatings having a pH of 3-6; 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.
- Will improve adhesion to plastic films, ie treated PE/ PP and mylar
- Also, improved adhesion to many plastics, concrete, rubber, wood and ceramics.

(2) 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.

PROCEDURE:

1. Coatings/ Adhesives: Fully compatible with coatings/ inks having a pH of 3-6. May be added directly to latex or polymer dispersion or post added in many cases. Alternatively may be preneutralized with Chartwell B-515.4W (1:1) to pH 6.5-7.0. 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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