

# Chartwell B-516.5W

## TECHNICAL DATA

## ADHESION PROMOTERS

**GENERAL DESCRIPTION:** A diamino 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	pale yellow
Metal content (Total %)	6.3-6.9
Complexed organics	29.1-29.6
Specific gravity (g/ml)	1.20
pH (2% soln)	7.3
pH (as supplied)	8.1
Active matter (wt %)	36.6
Solvent	water
Organofunctionality	primary diamino

### APPLICATION:

**(1) Coatings/ Inks:** Recommended for all water-borne coatings having a pH of 7-11; including coatings formulated with acrylic and styrenated acrylic latex emulsions, and water-borne polymer dispersions of alkyds, epoxies, urethanes and others.

#### Coating and Ink Improvements:

- 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 PP/PE 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. Fully compatible** with coatings, inks and adhesives 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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