



Chartwell C-523.2

GENERAL DESCRIPTION: A hybrid carboxy/ hydroxy functional metal organic adhesion promoter synthesized using a **STABILIZED BIMETAL PRECURSOR**. The product is supplied in propylene glycol.

PHYSICAL PROPERTIES:

Physical form	sl. hazy liquid
Color	pale yellow
Metal content (Total %)	5.2 - 5.9
Complexed organics	9.3 - 9.5
Specific gravity (g/ml)	1.15
pH (2% soln)	3.6
Active matter (wt %)	22.0
Solvent	propylene glycol
Organofunctionality	carboxy, hydroxy

APPLICATION:

(1) Coatings/ Adhesives: Recommended for enhancing adhesion of high solids solvent-borne (or 100% solids) polyester, alkyd, acrylic, epoxy, and urethane coatings/ adhesives to:

- All metals, improve salt fog resistance, reduce creep at the scribe, and reduce blistering
- Many plastics, including ABS and treated PP/ PE
- Also, improved adhesion to many plastics, concrete, rubber, wood and ceramics

(2) Pigment Dispersion: Recommended for dispersion of difficult to disperse pigments, ie phthalo blue/ green, carbon black, etc. Also for all inorganic pigments, conductive pigments, and mineral fillers.

PROCEDURE:

HIGH SHEAR MIXING NECESSARY IN ALL SOLVENT-BORNE SYSTEMS

1. Coatings: 1.0-2.0 wt per cent based upon combined polymer solids + anti-corrosive pigments + inorganic pigments. Optimum performance achieved when added to the grind. Must be high shear mixed with a Cowles type mixer. Milling alone is not sufficient See Bulletin "Use Procedure Recommendations" for further information.

2. Adhesives: 1.0-2.0 phr. High shear mix with Cowles or similar mixer.

3. Pigment Dispersion: 3.0 wt per cent based upon organic (phthalo, carbon black, etc.) plus 1.5 per cent based upon inorganic pigment weight. High shear mix with Cowles or similar mixer.

