

# Chartwell D-518.71HR

## TECHNICAL DATA

## ADHESION PROMOTERS

### GENERAL DESCRIPTION:

An aromatic amine functional organic adhesion promoter synthesized using a **STABILIZED BIMETAL PRECURSOR**. The product is supplied in dipropylene glycol/ propylene glycol to aid in rapid dispersion and solubilization in most 2K epoxy, 2K PU and SB systems.

### PHYSICAL PROPERTIES:

Physical form	Clear liquid
Color	pale yellow
Metal content (Total %)	5.2 - 5.9
Complexed organics	14.0 - 14.2
Specific gravity (g/ml)	1.14
pH (2% soln)	3.80
Active matter (wt %)	30.0
Solvent	dipropylene glycol, propylene glycol
Organofunctionality	aromatic amine

### APPLICATION:

**Coatings, Adhesives & Inks:** Will improve adhesion of 2K PU, 2K epoxy to all metals with accompanying improved salt fog resistance, reduction of creep at the scribe, and reduced blistering; AND improved adhesion to plastics, ceramics, concrete and wood.

- **2K Epoxy and 2K Urethane:** Always add to hardener (epoxies) or polyol (urethanes).  
Use level 0.35 - 1.4 wt. per cent on polymer solids\*.
- **Urethane modified nitrocellulose:** Add with Cowles-type mixing for 10 minutes.  
Use level 0.35 - 1.4 wt per cent based upon binder solids.

### PROCEDURE:

**2K Epoxy and 2K Urethane:** Optimum performance is achieved when added to the hardener (epoxies) or polyol (urethanes). **Product must be high shear mixed with a Cowles type mixer. Milling alone is not sufficient. Use Level 0.35 - 1.4 wt per cent on polymer solids\*.**

**NOTE:** Customers frequently find their best results at the lower end of this range.

*\*Plus organic pigment weight if applicable*

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