

# Chartsil C-515.71HR

## TECHNICAL DATA

## ADHESION PROMOTERS

**GENERAL DESCRIPTION:** An amino functional metal organic adhesion promoter absorbed upon a high surface area precipitated silica carrier. The product is a dry free flowing solid which physically breaks down upon compounding (Banbury, Henschel, etc.) to release the active aminofunctional adhesion promoter.

### PHYSICAL PROPERTIES:

<b>Physical form</b>	free flowing solid
<b>Color</b>	white
<b>Metal content (Total %)</b>	5.3 - 5.7
<b>Chartwell C-515.71HR (wt %)</b>	72
<b>Silica</b>	28
<b>Complexed organics</b>	22.0 - 22.7
<b>Active Matter</b>	28.2
<b>Absorbed Solvent</b>	propylene glycol
<b>Organofunctionality</b>	amino

### APPLICATION:

**(1) Powder Coatings:** Particularly useful for enhancing adhesion of **epoxy and urethane powder coatings** to many metal substrates (CRS, aluminum, brass, etc.) where liquid additives cannot be easily handled. Will improve salt fog and blistering resistance and reduce creep at the scribe.

- Also, recommended for enhancing adhesion of epoxy, urethane, alkyd, acrylic, polyester, and other solvent-borne coatings to metal surfaces with resultant reduction in corrosion. Also enhances adhesion to many plastic surfaces.

**(2) Rubber:** Recommend for non-sulfur cured rubbers, i.e. neoprene, EPDM.

### PROCEDURE:

**1. Powder Coatings:** 0.5 - 1.0 phr (parts per hundred resin). Set extruder to maximize shear or use Henschel premix. **DO NOT EXCEED recommended use level.**

**2. Rubber:** 1.4 -2.0 phr, add directly and compound in a Banbury mixer.

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