

## CORROLESS CCI 450

### CORROSION INHIBITOR (CLEAR COATING)

#### DESCRIPTION

A blend of resins and vapour phase corrosion inhibitor (VCI), developed for use where the requirement is for the customer to be able to see the substrate.

#### PRODUCT FEATURES AND RECOMMENDED USES

- Works by both contact and vapour phase inhibition.
- Suitable for application onto damp surfaces.
- Gives up to 4 years protection depending on environment.
- Easily removed or recoated.
- Touch dry clear glossy finish. Can be safely handled.
- Applications include, switch gear, electrical boxes, navigation equipment and parts storage.
- Protection of structural steel, plant and pipe storage.
- Extra protection of painted equipment and plant in transit etc.
- Available packed as an aerosol

#### TECHNICAL DATA

<b>Volume Solids (±2%)</b>	50%.
<b>Specific gravity</b>	0.97 kg/litre.
<b>Film thickness</b>	<b>Wet Film</b> 100 microns. <b>Dry Film</b> 50 microns.
<b>Mixing Ratio</b>	Single pack.
<b>Theoretical Coverage</b>	10 m <sup>2</sup> /litre. Practical coverage rate can vary depending on application method, temperature, profile and porosity of the substrate.
<b>Pot Life (at 18°C)</b>	Not applicable.
<b>Drying Time (at 18°C)</b>	Touch dry finish in 2 hours at the recommended dry film thickness. Through dry in 24 hours.
<b>Thinners and Cleaning Solvent</b>	Corroless Thinners No 2. (Solvent Gun Wash may be used for cleaning only).
<b>Finish</b>	Clear touch dry glossy finish.
<b>Colours</b>	Clear
<b>Storage</b>	Product has a shelf life of 2 years when stored in dry, cool conditions and protected from frost.

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### APPLICATION DETAILS

**Recommended substrate** Steel and most other metallic substrates.

**Surface Preparation** For best results degrease using a water soluble degreaser and prepare heavily corroded steel surfaces using rust scrapers, wire brushes, needle guns, etc. to St2 standard of EN ISO 8501-1:2007 or equivalent. Wash down with fresh water and allow to dry prior to application.

For clean surfaces (e.g. production components, machinery casings etc.) degrease using a water-soluble degreaser to remove dirt and oil/grease deposits and allow to dry prior to application.

### Application

Method	Airless Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	1500-2000 psi	Yes – thinning required	Yes	No
Tip size	11-13 thou			
Fan angle	50°			

**Spray** For conventional spray up to 10% Corroless Thinners No.2 should be added.

**Brush** Apply unthinned, lay on, do not over brush.

**Mixing** Stir thoroughly before use.

**Application Temperature** 2°C to 35°C.

**Ambient Conditions** Only apply in conditions of good ventilation, which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.

**Stripe coat** Stripe coat all sharp edges, bolts, rivets, welds etc.

**Flash Point** 32 - 55°C.

**Health and Safety** At all times observe precautionary notices on containers. Refer to Material Safety Data Sheet available from Corroless on request.