

CORROLESS CCI 400

CORROSION INHIBITOR

DESCRIPTION

A blend of waxes and vapour phase corrosion inhibitor (VCI), developed for outdoor use under aggressive conditions. This product is also available in aerosol cans as CCI 400A, when volume solids, drying times etc. may vary from values given in this data sheet.

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.
- Applications include equipment, void spaces, structural steel, winches, wire ropes, cranes, box sections etc.

TECHNICAL DATA

Volume Solids (±2%)	55%.
Specific gravity	0.9 kg/litre.
Film thickness	Wet Film 182 microns. Dry Film 100 microns.
Mixing Ratio	Single pack.
Theoretical Coverage	5.5 m ² /litre. Practical coverage rate can vary depending on application method, temperature, profile and porosity of the substrate.
Pot Life (at 18°C)	Not applicable.
Drying Time (at 18°C) at recommended dft	Dries to a wax finish in 24 hours.
Thinners and Cleaning Solvent	Corroless Thinners No 2. (Solvent Gun Wash may be used for cleaning only).
Finish	Dull wax.
Colours	Semi-translucent light brown.
Storage	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 No special surface preparation is required, but the cleaner the substrate, the more effective will be the protection achieved from the product. 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	3000 psi	Yes – thinning required	Yes	No
Tip size	13-17 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 the 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.

Volatile Organic Content (g/litre) 92

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