

CORROLESS CCI 250

CORROSION INHIBITOR (CLEAR – WATER BORNE)

DESCRIPTION

A concentrated, water borne, vapour phase corrosion inhibitor (VCI), developed for indoor use on steel.

PRODUCT FEATURES AND RECOMMENDED USES

- Accepted onto the **List for Approved Products suitable for use by the North Sea Oil and Gas industry**, based on testing for its environmental impact.
- **OCNS Registration Number 1412**
- Subject to normal government restrictions, CCI 250 can therefore be discharged into the marine environment.
- Used extensively as a hydro-test additive.
- Works by both contact and vapour phase inhibition and therefore protects above and below the water line when used in hydrotesting.
- Forms a clear film for easy inspection.
- Active period up to 2 years depending on use.
- Can be applied to equipment either in service, or in shutdown or preservation.
- Applications include steel coils and stacks, steel components, pumps and valve internals, enclosed cooling water systems, radiators etc.

TECHNICAL DATA

Volume Solids (±2%)	30%.
Specific gravity	1.02 kg/litre.
Film Thickness (nominal)	Wet Film 67 microns. Dry Film 20 microns.
Application	Brush, spray, dipping, flooding or fogging.
Mixing Ratio	Single Pack.
Theoretical Coverage	15 m ² /litre (nominal). Practical coverage rate can vary depending on application method, temperature, profile and porosity of the substrate.
Drying Time (at 18°C) at recommended dft	Dries to an oily finish in 48 hours.
Thinners and Cleaning solvent	Fresh water. (A detergent wash may be used for cleaning only).
Finish	Soft, oily, translucent finish.
Colours	Amber liquid.
Storage	Product has a shelf life of 2 years when stored in dry, cool conditions and protected from frost. Do not store below 2°C.

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APPLICATION DETAILS

Surface Preparation	For best results remove any oxides, dirt and grease etc. prior to application.
Application	<p>Stir thoroughly before use.</p> <p>For hydrotest applications, CCI 250 should be added to water systems at a minimum ratio of 1.5 part of CCI 250 to 100 parts of clean fresh water (by volume). A ratio of 2 to 5 parts CCI 250 to 100 parts of water are recommended for best results.</p> <p>CCI 250 may be introduced into a system by adding to the water, by spraying unthinned material directly onto components, by fogging unthinned material into void spaces (such as boilers) with compressed air or by any combination of the above. In order to extend the active period of the vapour phase protection, all normal vents, breather pipes and other openings should be sealed.</p> <p>In non-enclosed water systems, periodic recharging with CCI 250 is required to maintain a working concentration.</p>
Application Temperature	Range 2°C - 35°C.
Ambient Conditions	<p>Do not use below 2°C.</p> <p>Only apply in conditions of good ventilation, which should be maintained during drying.</p>
Flash Point	21 - 32°C.
Health and Safety	At all times observe precautionary notices on containers. Refer to Material Safety Data Sheet available from Corroless on request.