CORROLESS CCI POWDER

CORROSION INHIBITOR

DESCRIPTION

A vapour phase corrosion inhibitor (VCI) offering a convenient and effective means of protecting against corrosion in enclosed areas.

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 1413.**
- Subject to normal government restrictions, CCI Powder can be discharged into the marine environment.
- The powder can be blown into cavities and complex equipment where application of a conventional coating would not be possible.
- Offers multi metal protection.
- It is not usually necessary to remove the powder prior to commissioning equipment.
- Applications include cavity and void space protection, tanks, pipe internals, box sections, valves etc.

TECHNICAL DATA

Volume Solids (±2%)	Not Applicable.
Film thickness	Not Applicable. (See ‘Application Details’ for treatment rates).
Melting Point	174ºC minimum (with decomposition).
Theoretical Coverage	Not applicable. (See ‘Application Details’ for treatment rates).
Drying Times	Not applicable.
Thinners and Cleaning Solvent	Not applicable. Water may be used for cleaning.
Colour	White crystalline powder.
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

CCI Powder can be used to protect mild steel and other metals. It is also active against dissimilar metal corrosion.

Surface Preparation

No surface preparation required. For best results remove any contamination, dirt, moisture or condensation prior to application.

Application

The quantity of CCI Powder required should be estimated from the air space to be protected, according to guidelines given in the table below. The powder should be blown into the cavity or tank using bellows or low pressure compressed air until all the powder is thoroughly dispersed within the void. Immediately after application all vents, doors, or openings should be sealed to create a contained system, to prevent loss of VCI vapour. During application all vessels and plant, together with all application equipment, should be earthed and all possible ignition sources removed.

Treat Rate

Protection Period	Treat Rate gm/cu ft	Treat Rate gm/cu metre
24 months	15	525
12 months	10	350
6 months	7	245

Application temperature

Do not apply in temperatures below 0ºC. Keep the powder dry and reseal any opened containers. Wet or damp powder will cake and will not disperse correctly.

Ambient Conditions

During application the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3ºC above the Dew Point.

Flash Point

Greater than 55ºC.

Volatile Organic Content

Not applicable

Health and Safety

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