

# CARETAN CORROSION

## **Rust converter for use on rusted steel and sandblasted steel as pre-coating preparation.**

- \* Neutralizes the corrosion process.
- \* Reacts quickly with the rust and transforms iron oxides into stable insoluble blue-black metallo-organic complex inert surface.
- \* Effects a through chemical passivation of substrate making it a sound base for application of subsequent coating systems.
- \* Gives a water insoluble hydrophobic film.
- \* Is an excellent adhesion promotor for subsequent paint or coating systems.
- \* Is NON-HAZARDOUS, NON-FLAMMABLE and DRY FILM IS FIRE RETARDANT.
- \* Only minimum surface preparation required. Degrease, remove loose rust flakes/scales with brush or sandpaper etc. Wash off salt, oil and chemicals.
- \* Caretan Corrosion may also be applied to damp rusted surfaces.
- \* Reaction time required: 3 hours.
- \* Gives you cost-effective corrosion control and long-term protection qualities.
- \* Caretan Corrosion is compatible with mostly used paint types and coating systems, alkyd systems, modified alkyds, chlorinated rubber, epoxies, polyurethanes, vinyls and the new water-based paint systems.

## **Application**

On all rusted steel surfaces before painting or repainting when preparation by sandblasting is a problem, e.g. cargo holds, decks, hatch covers, superstructures, pipelines, winches, rails etc. It is also used on sandblasted surfaces to prevent or passivate "flash rust". Beyond being particularly suitable for use in the highly corrosive marine atmosphere it is indeed also suitable for use on offshore oilrigs, in shipyards and refineries.

## **Directions for use**

Remove loose rust, rust scales/flakes by thorough wire brushing. Millscale, rust chips, blisters, deteriorated paints, oil, grease etc. should also be removed if present. In heavy industrial and marine atmospheres rust always contains soluble salts. It is important to remove atmospheric salts by water wash with freshwater prior to application of Caretan Corrosion.

Caretan Corrosion is ready to use. 1 single thin application is sufficient. Apply brush, roller or spray. 1 liter covers approx. 20 square meters. Reaction time is 3 hours and paint/coatings must be

applied sooner. If the rust converter is applied in confined areas, reaction time may be somewhat longer.

Caretan Corrosion is not a paint. Treated surfaces must be protected by suitable paint/coatings, preferably within 48 hours after application of Caretan Corrosion. Equipment should be washed and flushed in clean water use.

**CAUTION:**

The rust converter should NOT be applied on hot surfaces above 40°C such as e.g. a deck area in sunny tropical climate. Such areas should be treated only when the area has cooled down during the evening and left for reaction overnight.

**Properties**

Caretan Corrosion is based on water reducible chelating polymers. Does NOT contain Phosphoric Acid.

|                   |  |
|-------------------|--|
| Appearance        | : Milky White/Cream colored liquid     |
| Specific Gravity  | : 1.0                                  |
| Viscosity         | : 15 m Pa.s.                           |
| Flash Point PM CC | : None                                 |
| pH value          | : Approx. 1.6                          |
| Stability         | : More than 1 year in closed container |

*For detailed information on safety and health, please refer to Material Safety Data Sheet and / or Product label.*

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