

CARECOAT 402

Corrosion protection coating for permanent ballast tanks.

- Contains no solvents.
- Requires no special surface preparation prior to application.
- Can be applied on rusted steel or new steel and is compatible with old deteriorated coatings.
- Is highly polar with strong molecular affinity for metal surfaces.
- Is easy to use – only one coat required.
- Can be applied by airless spraying or by brush or roller.
- Repair works such as welding and other “hot work” jobs can be carried out without removal of the coatings.

Application

Carecoat 402 ballast coating is recommended for recoating of completely rusted ballast tanks in all types of vessels, also in peak tanks, offshore leg support tanks, cofferdams, floating docks, caissons, void spaces ect. It is also suitable for application on new steel provided mill scale has been removed.

Directions for use

Surface Preparations

- 1.) For ships in service: No special surface preparation such as wire brushing or sandblasting is required prior to the application. However, it is necessary to remove mud and silt, loose rust, loose scales, debris and loose paints. Usually a thorough high pressure water wash with 200 bar pressure is sufficient, eventually followed with light scraping of tank surfaces. It is not necessary that tank surfaces are dry prior to the application of the coating.
- 2.) For Lloyd’s Register corrosion control notation in association with reduced scantlings the surface preparation must be in accordance with BS 4232-2 equivalent to Swedish Standard Sa 2½ (SIS-05-5900-1988) at new building stage.

Airless Spraying

Product may be applied by airless spray using 45:1 ratio, with nozzle sizes “25” (0.025”inch; type 163-725) or “27” (type 163-727) both with 70° fan angle. The use of alternative nozzle sizes depends on the viscosity of the coating during application. Check the material temperature.

Application Temperature

Do not apply at temperatures below 5°C (41°F). The minimum coating material temperature for spraying is 12°C (54°F). In cold weather preheating of Carecoat 402 ballast tank coating may be necessary. However, it should not be heated to a temperature exceeding 60°C (140°F).

Coverage/ Film thickness

- For long-term protection provided surfaces are not too rough: 3-4m²/liter at 250-300 microns wft. Rough surfaces/serve pits: 2.5 m²/liter at 250-300 microns wft.
- For 1-2 years protection provided surfaces are not too rough: 4,5 - 6 m²/liter at 150-200 microns wft.
- For 1 year protection, e.g. protecting fuel tanks during construction period of newbuilding: 9-9,5m²/liter at 100 microns wft.

The coating is supplied ready for use – do not dilute.

Properties

Dark brown clear semi-thixotropic liquid of anticorrosive chemical compounds with high contents of woolgrease, lanolin and cationic surface-active components.

Coating finish	: A soft film. Will never dry out.
Toxicity	: Non-toxic. However the product should not be used for drinking water tanks, as it may affect the taste and smell of the water.
Shelf life/ stability	: Indefinite
Cleaning of utensils	: The coating can be removed by most solvent based cleaners, e.g. Careclean HD split.
Specific gravity (at 20°C)	: 0,94
Flash point (10%)	: 122°C (251°F)
Viscosity	: 30 mPa.s/50°C
Solid contents	: 100%

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

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