

NAVALAN 402

1. DESCRIPTION

Lanolin-based non-drying solvent free ballast tank soft coating, which is surface tolerant and requires no sandblasting prior to application. It is highly polar with strong molecular affinity for metal surfaces.

The coating can be applied easily in one coat by airless spraying, by brush or roller on both rusted steel and new steel and is compatible with old deteriorated coatings. Repair works such as welding and other “hot work” can be carried out with removal of the coating.

2. APPLICATIONS

NAVALAN 402 is particularly recommended for recoating of completely rusted permanent ballast tanks in all types of vessels. It is also recommended for floating docks, void spaces, cofferdams, offshore leg support tanks etc. It is also suitable for application on new steel plates or constructions provided mill scale has been removed.

3. DIRECTIONS FOR USE

Surface Preparations

- A. For ships in service: No special surface preparation such as wire brushing or sandblasting is required prior to 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 by light scraping of tanks surfaces. It is not necessary that tank surfaces are dry prior to application of the coating.
- B. For Lloyd’s Register corrosion control notation in association with reduced scantlings the surface preparation must in accordance with BS 4232-2 equivalent to Swedish Standard Sa2½ (SIS-05-5900-1967) at new building stage.

Airless Spraying

Suitable spraying equipment is a powerful ordinary airless paint spraying unit with 45:1 ratio, using spray nozzle sizes between “23”, “25”, “27” (0.027”) or bigger. The use of alternative nozzle sizes depends on the viscosity and pressure during the application.

Application Temperature

Do not apply at temperatures below 5°C. The minimum coating material temperature for spraying is 15°C. In cold weather preheating the coating may be necessary. However, do not heat to temperature exceeding 60°C.

Coverage / Coat Thickness

- For long-term protection, provided surfaces are not too rough:
 - 3-4m² / liter at 250-300 µm / microns wft.
- For rough surfaces / severe pittings:
 - 2.5 m² / liter at 250-300 µm / microns wft.
- For 1-2 years protection, provided surfaces are not too rough:
 - 4.5-6m² / liter at 150-200 µm / microns wft.

CORROSION PROTECTION COATING FOR PERMANENT BALLAST TANKS BALLAST TANK COATING

Product Highlights

- Non-drying solvent free.
- Surface tolerant.
- Requires no sandblasting prior to application.
- Highly polar.
- Strong molecular affinity for metal surfaces.
- Applied easily in one coat.

Product Characteristics

Appearance:	Milky liquid
Corrosive action:	None
Specific gravity:	1.0
Flash Point:	None
pH:	7

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clean chemicals clean ships clean seas



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- For 1 year protection, e.g. protecting fuel tanks during construction period of new buildings:
9-9.5 m² / liter at 100 µm / microns wft.

Dilution

The coating is supplied ready for use and should not be diluted.

Ventilation

Of tanks is not required as the coating is solvent-free and non-hazardous.

Repair Works

Welding and other “hot works” jobs can be carried out without removal of the coating. There is no danger connected directly hereto. Other local safety rules for such work should be followed.