



Navipox BT 1000
Ballast tanks Epoxy
100-K-XXXX

Navipox BT 1000 is high solid modified epoxy for water ballast tanks, design to meet Solas classification society recommendation for light colors. BT 1000 can resist 125 °C dry, 60 °C wet, and 90 °C wet very short time. BT 1000 has very good flexibility, resistance to sea water and cathodic protection. Recommended to use for protection of ballast water tanks, crude oil tanks, void spaces, cofferdams, bilges, etc.

Physical properties.

Colour/Texture	Grey/Glossy
Volume Solids	82%±0,2
Specific gravity	1.41 gr/ml
VOC	152 gr/liter
Flashpoint	>31°C

	Dry film thickness per coat (μ) Min- Max	Wet film thickness per coat (μ). Min-Max	Theoretical spreading rate (m ² /l)
Range	125	152	6,6
Recommended	300	366	2,7

Application data.

<u>Mixing ratio</u>	By weight, base A (white) to hardener B : 25,4 Kg A + 2,9 Kg B By volume, base A (white) to hardener B: 17,3 Lt A + 2,7 Lt B
<u>Mixing instructions</u>	Base and hardener should be mixed, preferably by means of a mechanical stirrer until a uniform grey colour is achieved.
<u>Potlife</u>	10°C: 55 minutes, 23°C: 60 minutes.
<u>Guiding data Airless spray</u>	Pressure at nozzle: 180 – 250 bar. Nozzle size: 0.41 - 0.58 mm. Spray angle: 40 - 80 degrees. Volume of thinner: 0 – 3%.
<u>Brush</u>	Suitable for stripe coats and touch-up work only. Volume of thinner: 0 - 5%.
<u>Thinner/cleaner</u>	T-10 Epoxy Thinner
<u>Conditions</u>	Humidity: below 85% RH. Temperature of the paint before application: min: 10°C, max: 30°C. Substrate temperature: min: 5°C, max: 35°C. The temperature of the substrate should be at least 3°C above the dew point of the air. Air temperatures and relative humidity must be measured in the vicinity of the substrate.

Drying and recoating times. (for 300 mic. DFT) Note: Drying time and minimum overcoating intervals will increase with increasing coating thickness applied. Before re-coating always check the existing film through dry.

Substrate temperature	Pot Life	Surface Dry	Hard Dry	Dry to recoat (300 mic DFT)	
				Minimum	Maximum (1)
5 °C	1,5 hrs	20 hours	48 hours	48 hours	5 Days
10 °C	1,0 hrs	10 hours	24 hours	24 hours	5 Days
20 °C	1,0 hrs	6 hours	12 hours	12 hours	5 Days
30 °C	0,5. hrs	4 Hours	8 hours	8 hours	3 Days

(1) The surface should be dry and free from contaminants prior to overcoating. When the maximum recoating time is exceeding it may be necessary to roughen the surface to ensure intercoat adhesion. When in doubt, consult your nearest TBOS coatings office.

Surface preparation.	
Steel	Oil and grease should be removed by solvent cleaning according to SSPC-SP1. Or Navi prep 88 WB cleaner. The steel substrate should be cleaned with fresh, clean water in order to remove salts, dirt and other contaminants. Remove weld spatter and smooth weld seams and sharp edges as applicable. Best results can be achieved after abrasive blasting: min. Sa2,5 – ISO 8501:1. Remove all loose dirt and abrasive by vacuuming or sweeping. Apply Navipox BT 1000 immediately after the steel has been blasted and the quality of preparation has been approved.
Steel coated with Zincsilicate shopprimer	The surface should be free of zinc salts. Pretreatment should be carried out according to Japanese Standard SPSS-Pt 3 or SPSS-Ss.
Repair	Corroded areas should be power tool cleaned to ISO-St 3 or blast cleaned to ISO-Sa 2 or better.
Recommended paint system.	
A typical system is shown below.	
Navipox BT 1000 or Navipox BT 1000	2 x 150 µ dft. 1 x 300 µ dft.
Sharp edges, corners and weld seams must be stripe coated in order to achieve the specified dry film thickness.	
Worldwide availability	
The product is part of the common T-Bos coatings product range but local availability is subject to confirmation. Although we strive to supply the same product through the world, slight modifications of the product in some cases may be necessary in order to comply with local conditions and/or national regulations. In such cases an alternative datasheet will be issued.	
Health and safety.	
Observe the precautionary notices on the label of the container. A material safety data sheet is available upon request and national or local safety regulations should be followed. This product is intended for use by professional applicators. As a general rule, avoid skin- and eye contact by wearing overalls, gloves, goggles, mask, etc. Spillage on the skin should immediately be removed by thorough washing with lukewarm water and soap or a suitable industrial cleaner. Eyes should be flushed with fresh water and medical attention sought immediately. Spraying should be carried out under well-ventilated conditions. Avoid inhalation of solvent vapours and paint mist by wearing an air mask. This product contains flammable materials and should be kept away from sparks and open flames. Smoking in the area should not be permitted.	
Disclaimer	
<i>The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factors affecting the use and application of this product.</i> <i>Therefore, we cannot accept any liability whatsoever or however arising from the performance of the product or for any loss or damage arising from the use of this product.</i> <i>We reserve the right to change the product without notice.</i>	