

## PRODUCT SPECIFICATIONS

### Product Description

A tinfree, high solids, rosin-based conventional antifouling pigmented with cuprous oxide for the protection against fouling for docking interval up to 12-18 months depending on area and conditions.

### Design Feature

- A conventional erosion type anti-fouling designed to provide anti-fouling protection for up to one year.
- Economical protection against fouling growth.
- Contains a tin free biocides package for effective control of fouling growth.
- High biocides release rate.
- Recognized by Llyod's Register of Shipping and DNV-GL as a TBT-Free Anti-fouling Paint compliant with MO International Convention on the Control of Harmful Anti-fouling Systems on Ships.

### Physical Characteristics

Recommended Application Data	Wet [µm]	Dry [µm]	m <sup>2</sup> /l
Theoretical Coverage	75	75	13.6

Volume Solids	:	68% (based on ASTM D2697)
Dry Film Thickness Range	:	75 µm to 125 µm
Flash Point	:	28 °C
Finish	:	Low Sheen
Colour Range	:	Red
Standard Packing Size	:	20 L

### Application Method

AIRLESS SPRAY	:	Tip Size	:	0.53 – 0.66 mm (21 – 26 thou)
Recommended method of application	:	Pressure	:	110 - 150 kg/cm <sup>2</sup> (1600 – 2100 psi)
CONVENTIONAL SPRAY	:	May be used.		
BRUSH OR ROLLER	:	Also recommended. However, additional coats may be required to achieve the recommended film thickness.		

### Drying & Curing Time

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Min.	Max.
15 °C	2 hours	8 hours	8 hours	24 hours
25 °C	1 hour	4 hours	4 hours	16 hours
35 °C	30 min	2 hours	2 hours	12 hours

### Useful Information

THINNER	:	SOLVALUX 7-25
CLEANER	:	SOLVALUX 7-25
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	:	12 months minimum when stored as prescribed in the MSDS.

## Surface Preparation

The service life span and the service performance of NAVILUX 4100 is directly related to the degree of surface preparation and the integrity of the existing paint system.

### STEEL (NEW CONSTRUCTION)

- Navilux 4100 must be applied to steel that has been abrasive blasted and suitably primed.
- The steel must be abrasive blast cleaned to a minimum standard of Sa2½ (ISO 8501-1:1988) or SSPC-SP10. An average surface profile of 50 microns is acceptable, but this average should not exceed 75 microns.
- Apply a suitable primer, e.g. Epilux 610 immediately after blasting to prevent oxidation and recontamination of the steel surface. In case of oxidation or recontamination, re-blast to the required standard.
- Then complete the specified coating system by applying the subsequent coats, making sure that, the specified overcoating times of each coat have not been exceeded.
- Ensure that the surface to be over-coated is clean, dry, and free from dust, grease and oil, or any other surface contaminants.

### MAINTENANCE (Over existing self-polishing anti-fouling)

- The surface to be coated must be dry and free from fouling, salts & other contaminants.
- Remove salts & dirt by fresh water washing. Freshwater jet or scrape to remove all accumulated fouling and loose and flaking coatings followed by abrasive blasting upto Sa2.5. Apply suitable primer system.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point.

## Suitable Undercoats

Epilux 610, Epimastic 3000HS, Epimastic 3100, Epilux 18HS, Luxavin 1480

## Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- Anti-fouling protection period quoted is based on normal trading conditions without extended anchoring periods.
- **This product should be immersed within 24 hours after application.**

## Safety Precaution

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.
- This product is flammable. Keep away from sources of ignition. Do not smoke.
- Take precautionary measures against static discharge.
- In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

## First Aid

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

R1-072025