



Product Data Sheet

Transocean

Optima Antifouling 2.32

Product description.

A tinfree, self erodable antifouling pigmented with cuprous oxide for the protection against fouling for drydocking service intervals up to 18 months (occasionally up to 24 months), all depending on area and conditions. The product can be applied on all Transocean anticorrosive systems. It is recommended to use tiecoat Transoprene or Transvinypox as last coat in the anticorrosive system in order to allow more flexibility in recoating interval. The product complies to IMO Antifouling System Convention compliant (AFS/CONF/26). Registered under APVMA 84506-110537.

Physical properties.

Colour / Texture Black / Blue / Red-brown / Matt
 Volume Solids 56%
 Specific gravity 1.8 g/ml
 VOC 380 g/litre
 Flashpoint >25°C

	Dry film thickness per coat (µm)	Wet film thickness per coat (µm)	Theoretical spreading rate (m ² /l)
Range	50 – 150	90 – 270	11.2 – 3.7
Recommended	85	150	6.6

Application data.

Guiding data - Airless spray Pressure at nozzle: 120 -180 bar. Nozzle size: 17 Thou – 23 Thou.
 Spray angle: 40 - 80 degrees.
 Volume of thinner: 0 - 3%.

Brush / Roller Suitable.
 Multiple coats may be needed to achieve the specified dry film thickness.
 Volume of thinner: 0 - 5%.

Thinner / Cleaner Transocean Standard Thinner 6.01.

Mixing This material is a one pack coating and should always be mixed thoroughly with a clean mechanical mixer before application.

Conditions Humidity: below 85% RH.
 Temperature of the paint before application: min: 10°C, max: 30°C.
 Substrate temperature: min: 5°C, max: 40°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.

Substrate temperature	Touch dry	Hard dry	Dry to recoat		Minimum drying time for undocking (2)
			Minimum	Maximum (1)	
10 °C	4 hours	6 hours	8 hours	7 days	12 hours
23 °C	1 hour	3 hours	6 hours	7 days	12 hours
30 °C	30 minutes	2 hours	4 hours	7 days	12 hours

- (1) The surface should be dry and free from contaminants prior to overcoating.
- (2) It is advised to undock the vessel after application of the final layer as quickly as possible, but no sooner than the minimum drying time for undocking (see table). Please note that undocking time stated refers to a single coat application. When multiple coats are applied, refloating times should be doubled. When in doubt, consult your nearest Transocean office.

Surface preparation.

Coated substrates All surfaces should be clean, dry and free from contamination. Surfaces should be treated in accordance with ISO 8504:2000. In case of repairing an existing antifouling system, remove salts, fouling, any loose paint and other contaminants by high pressure fresh water cleaning. A water pressure of 500 bar (approx. 7000 psi) is recommended. Ensure compatibility of the old coated substrates with the selected paint system. Damaged areas must be treated and touched up with an appropriate primer system. Contact your local Transocean office for more information.

Recommended paint system.

Transocean Optima Antifouling 2.32 can be applied on the following Sealer/Tie Coats according to specification. Typical systems are shown below (for repairs or full re-coat).

Transpoxy Masterbond 4.67N Aluminium	1 x 200 µm dft
Transoprene Primer 1.25	1 x 75-100 µm dft.
Transocean Optima Antifouling 2.32	2 x 85 µm dft

Or

Transpoxy Masterbond 4.67N Aluminium	1 x 200 µm dft.
Transvinypox 2.06	1 x 100 µm dft.
Transocean Optima Antifouling 2.32	2 x 85 µm dft

Life time expectations are difficult to give, as it is dependent on many factors beyond our control such as vessel's speed and sailing pattern, seawater quality and temperature. Therefore the above stated antifouling specification should be used for guidance only. Consult your Transocean representative for more information.

Worldwide availability

The product is part of the common Transocean 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

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.

Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product.

We reserve the right to change the product without notice.

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