



Product Data Sheet

Transocean Armada

Eco 12

Product description.

A tinfree selfpolishing antifouling based on silylacrylic polymers and pigmented with a combination of biocides. Transocean Armada offers a stable erosion rate and long lasting fouling protection for various types of vessels and trading patterns. The product is compatible with Transocean Anticorrosive schemes.

Physical properties.

Colour/Texture	Redbrown, Pink / Mat
Volume Solids	53%
Specific gravity	1.70 gr/ml
VOC	480 gr/liter
Flashpoint	>25°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m^2/l)
Range	75 – 150	142 – 283	7.1 – 3.5
Recommended	125	236	4.2

Application data.

<u>Guiding data Airless spray</u>	Pressure at nozzle: 120 -180 bar. Nozzle size: 0.41 - 0.58 mm. Spray angle: 40 - 80 degrees. Volume of thinner: 0 - 3%.
<u>Brush/Roller</u>	Suitable but airless spray is preferred. Multicoats may be needed to achieve the specified dry film thickness. Volume of thinner: 0 - 5%.
<u>Thinner/Cleaner</u>	Transocean Special Thinner 6.01. Avoid excessive thinning as it will result in lower sag resistance and slower cure.

Drying and recoating times (1).

Substrate temperature	Touch dry	Hard dry	Dry to recoat		Minimum drying time for undocking
			Minimum	Maximum (1)	
10 °C	1 hour	8 hours	8 hours	6 months	16 hours
23 °C	1 hour	6 hours	6 hours	6 months	12 hours
30 °C	30 minutes	4 hours	4 hours	3 months	12 hours

- (1) The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, preceding paint system etc
- (2) The surface should be dry and free from fouling and other contaminants prior to overcoating. When in doubt, consult your nearest Transocean office.

Surface preparation.

Coated substrates	The surface must be dry and free from fouling, salts and other contaminants. Remove salts and dirt by fresh water washing and hard fouling by scraping. Corroded and/or damaged areas should be repaired first with an appropriate primer system.
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Typical paint system.

Transocean Armada Antifouling can be applied on Transpoxyl priming systems.
A typical high performance system is shown below.

Transpoxyl Masterbond 4.68 (or) 4.06	1 x 125-150 μ dft.
Transvinypox 2.06	1 x 75-100 μ dft.
Transocean Armada Eco-12	2 x 125-150 μ dft for 12 to 24 months protection.

Life times 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.

Application conditions.

The temperature of the substrate should be at least 3°C above the dew point of the air. Temperature and relative humidity should be measured in the vicinity of the substrate.

The maximum recommended surface temperature is approx. 40°C. Higher steel temperatures are acceptable provided dry-spray is avoided by proper spray application and extra thinning if required. In extreme cases it may be necessary to reduce film thickness in order to avoid sagging.

When applying the paint in confined spaces, provide adequate ventilation during application and drying. The temperature of the mixed paint should be at least 15°C, otherwise extra solvent may be required to obtain a proper application viscosity.

Storage and shelf life.

The product must be stored in accordance with national regulations. The cans are to be kept in a dry, cool, well ventilated space and away from source of heat and ignition. Cans must be kept tightly closed.

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. Spraying should be carried out under well-ventilated conditions. 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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