



# Product Data Sheet

## Transpoxy Sealer 1.99

### Product description.

A two-pack polyamide cured epoxy coating suitable for atmospheric and immersion conditions. The product is used as an intermediate coat in Transpoxy systems and as a sealer/tiecoat on inorganic zinc silicates.

### Physical properties.

Colour/Texture	White/Semi-gloss
Volume Solids	49%
Specific gravity	1.39 gr/ml
VOC	433 gr/liter
Flashpoint	>10°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m <sup>2</sup> /l)
Range	50 – 100	105 – 205	9.8 – 4.9
Recommended	75	155	6.5

### Application data.

<u>Mixing ratio</u>	By weight, base to hardener: 84 to 16. By volume, base to hardener: 75 to 25.
<u>Potlife</u>	10°C: 12 hours, 23°C: 8 hours, 30°C: 6 hours.
<u>Guiding data Airless spray</u>	Pressure at nozzle: 120 -180 bar. Nozzle size: 0.38 - 0.53 mm. Spray angle: 40 - 80 degrees. Volume of thinner: 0 - 3%.
<u>Guiding data Airspray</u>	Pressure. 3 - 5 bar. Nozzle size: 1.5 - 2.0 mm. Volume of thinner: 0 -10%.
<u>Brush/Roller</u>	Suitable. Multicoats may be needed to achieve the specified dry film thickness. Volume of thinner: 0 - 5%.
<u>Thinner/Cleaner</u>	Transocean Epoxy Thinner 6.03.
<u>Conditions</u>	Humidity: below 90% RH. Temperature of the paint before application: min: 10°C, max: 30°C. Substrate temperature: min: 10°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.

Substrate temperature	Touch dry	Dry to handle	Full cure	Dry to recoat	
				Minimum	Maximum (1)
10 °C	4 hours	24 hours	10 days	22 hours	Indefinite
23 °C	2 hours	16 hours	5 days	16 hours	Indefinite
30 °C	1 hours	12 hours	3 days	12 hours	Indefinite

(1) The surface should be dry and free from contaminants prior to overcoating. The best intercoat adhesion is achieved when the subsequent coat is applied before the preceding coat is fully cured. After prolonged exposure times it may be necessary to roughen the surface to ensure intercoat adhesion. When recoating with single pack products, maximum recoat interval is limited to 16-24 hours. When in doubt, consult your nearest Transocean office.

## Surface preparation.

Coated substrates	Oil and grease should be removed by solvent cleaning according to SSPC-SP1. Remove weld spatter and smooth weld seams and sharp edges as applicable. Remove salts and dirt by fresh water washing. Corroded and/or damaged areas should be repaired first with an appropriate primer system.
Inorganic Zinc Silicates	Remove zinc-salts and ensure that the zinc silicate has been fully cured. Apply a mist coat of Transpoxy Sealer 1.99 first.

## Recommended paint system.

A typical system for atmospheric exposure is shown below.

Transozinc Epoxy Primer ST 1.50	1 x 50 $\mu$ dft.
Transpoxy Sealer 1.99	1 x 75 $\mu$ dft.
Transurethane Finish 3.43	1 x 40 $\mu$ dft.

## 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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