

Product Data Sheet

Transpoxy Barrier 2.18

Product description.

A high solids epoxy barrier coating with excellent anticorrosive properties and good impact- and abrasion resistance. Good adhesion to St3 prepared steel substrates and compatible with most aged coatings. It can be recoated with various Transocean finishing systems.

Physical properties.

Colour/Texture Redbrown, Grey/Semi-gloss

Volume Solids 77%
Specific gravity 1.35 gr/ml
VOC 194 gr/liter
Flashpoint >25°C

	Dry film thickness per	Wet film thickness per	Theoretical spreading	
	coat (µ)	coat (µ)	rate (m²/l)	
Range	100 – 300	130 – 385	7.8 – 2.6	
Recommended	150	195	5.2	

Application data.

Mixing ratio By weight, base to hardener: 83 to 17.

By volume, base to hardener: 3 to 1.

Potlife 10°C: 4 hours, 23°C: 2 hours, 30°C: 1 hour.

Guiding data Airless spray Pressure at nozzle: 180 – 250 bar. Nozzle size: 0.41 - 0.58 mm.

Spray angle: 40 - 80 degrees. Volume of thinner: 0 - 5%.

Brush Suitable but airless spray is recommended. Multicoats are required to

achieve the specified dry film thickness.

Volume of thinner: 0 - 10%.

<u>Thinner/Cleaner</u> Transocean Epoxy Thinner 6.03.

Conditions Humidity: below 85% 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	Touch dry	Hard dry	Full cure	Dry to recoat (1)		
temperature				Minimum	Maximum	Maximum
					with 1-pack.	with 2-pack
10 °C	4 hours	24 hours	8 days	24 hours	7 days	Indefinite
23 °C	2 hours	16 hours	5 days	16 hours	5 days	Indefinite
30 °C	1 hour	6 hours	3 days	8 hours	3 days	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 it may be necessary to roughen the surface to ensure intercoat adhesion. When in doubt, consult your nearest Transocean office.

Surface preparation.

Steel 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.

Abrasive blasting: min. Sa2 - ISO 8501:1.

Power tool cleaning: min. ISO-St3. Please note that better surface preparation

always results in longer lifetime expectations.

Apply Transpoxy Barrier immediately after the steel has been blasted and the

quality of preparation has been approved.

Repair Existing systems should be roughened and dry and free from loose paint, salt,

grease and other contaminants prior to overcoating.

Corroded and/or damaged areas should be power tool cleaned to ISO-St2 or

better or blast cleaned to ISO-Sa2.

Recommended paint system.

A typical system for atmospheric exposure is shown below.

Transpoxy Barrier

2 x 150 u dft.

The coating can be left uncoated but may be recoated with Transpoxy-, Transurethane-, Transuniprene- or Transunilac Finishes.

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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