

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	Light Grey N35 / Semi-gloss
Volume Solids	80%
Specific gravity	1.35 gr/ml
VOC	194 gr/litre
Flashpoint	>25 °C

	Dry film thickness per coat (µ)	Wet film thickness per coat (µ)	Theoretical spreading rate (m ² /l)
Range	100 - 300	125 – 375	8.0 - 2.7
Recommended	150	190	5.3

Application data. Mixing ratio By volume, base to hardener: 3:1 Pot-life 10°C: 4 hours. 30°C: 1 hour. 23°C: 2 hours. 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. Multiple coats are required to achieve the specified dry film thickness. Volume of thinner: 0 - 10%. Thinner / Cleaner Transocean Epoxy Thinner 6.03. If thinning is necessary, this should be added after mixing of the two Components. Avoid excessive thinning as it will result in lower sag resistance and slower cure.

Drying and recoating times.

Substrate	Touch dry	Hard dry	Full cure		Dry to recoat (2)	
temperature				Minimum	Maximum	Maximum
-					with 1-pack.	with 2-pack
10 °C	4 hours	24 hours	8 days	24 hours	7 days	Indefinite
23 ℃	2 hours	16 hours	5 days	16 hours	5 days	Indefinite
30 ℃	1 hour	6 hours	3 days	8 hours	3 days	Indefinite

(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 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 preparatio	n.
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 pai	nt system.
A typical system for atm	ospheric exposure is shown below.
Transpoxy Barrier 2.18	2 x 150 μ dft.
The coating can be left u Transunilac Finishes.	incoated but may be recoated with Transpoxy-, Transurethane-, Transuniprene- or
Application conditi	ons.
Temperature and relativ The maximum recomme acceptable provided dry extreme cases it may be When applying the paint	substrate should be at least 10 °C and at least 3 °C above the dew point of the air. e humidity should be measured in the vicinity of the substrate. nded surface temperature is approx. 40 °C. Higher steel temperatures are spray is avoided by proper spray application and extra thinning if required. In necessary to reduce film thickness in order to avoid sagging. in confined spaces, provide adequate ventilation during application and drying. nixed paint should be at least 15 °C, otherwise extra solvent may be required to on viscosity.
Storage and shelf I	ife.
The product must be sto	red in accordance with national regulations. The cans are to be kept in a dry, cool,

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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