



Product Data Sheet

Transpoxy Tankguard 4.61

Product description.

A polyamine cured phenolic epoxy coating with excellent resistance against most acids, alkalis and various solvents. The product has good flow properties resulting in a smooth, easy to clean surface and therefore reduces the possibility of cargo adsorption.

Physical properties.

Colour / Texture White & Light Grey / Semi-gloss
 Volume Solids 61%
 Specific gravity 1.27 gr/ml
 VOC 327 gr/litre
 Flashpoint >17°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m ² /l)
Range	125 – 150	205 – 245	4.9 – 4.1

Application data.

Mixing ratio By volume, base to hardener: 4:1

Pot-life 10°C: 2 hours, 23°C: 1 hour.

Guiding data - Airless spray Pressure at nozzle: 180 – 250 bar. Nozzle size: 0.53 - 0.66 mm.
 Spray angle: 40 - 80 degrees.
 Volume of thinner: 0 - 5%.

Brush Suitable for stripe coats and touch-up work only.
 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 temperature	Touch dry	Dry to handle	Full cure	Dry to recoat	
				Minimum	Maximum(2)
10 °C	6 hours	24 hours	10 days	24 hours	5 days
23 °C	3 hours	12 hours	5 days	12 hours	4 days
30 °C	1 hour	8 hours	3 days	6 hours	1 day

(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) See additional instructions on page 2.

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: Sa3 – ISO 8501:1. Roughness profile: 60 – 90 micron. Remove all loose dirt and abrasive by vacuuming or sweeping. Apply Transpoxy Tankguard immediately after the steel has been blasted and the quality of preparation has been approved.

Additional usage instructions.

1. Preferably mix part A and part B with a mechanical stirrer. Do not mix more material than can be used in 1 hour at 20 °C.
2. Corners, edges and weld seams should be stripe-coated prior to a full coat application.
3. Allow ventilation during and after application of the coating system. Temperature of the ventilation air should lie between 20 °C and 35 °C. Continue ventilation until the system has fully cured.
4. Forced cure guidelines:
 - ventilate for 4 hours with ambient air followed by 4 hours with hot air to reach a surface temperature of 80 °C.
 - ventilate for 2 hours with ambient air followed by 10 hours with warm air to reach a surface temperature of 55 °C.
5. Do not apply the coating when ambient temperature will be less than 12 °C for more than 48 hours after application of the coating.
If at any time, a greasy appearing film is observed on the surface of the coating, the surface should be thoroughly wiped with clean rags saturated in Transocean epoxy Thinner 6.03. Allow evaporation of the solvent before recoating.

Recommended paint system.

A typical system is shown below.

Transpoxy Tankguard 4.61 2-3 x 150 µ dft.

Sharp edges, corners and weld seams must be stripe coated in order to achieve the specified dry film thickness.

Application conditions.

The temperature of the substrate should be at least 10 °C and 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.

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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