



# Product Data Sheet

## Transpoxy ZP Primer 1.61

### Product description.

A two pack polyamide cured epoxy coating pigmented with zincphosphate and auxiliary anti-corrosive pigments for the protection of steel structures against corrosion. The products can be used as a primer or intermediate coat in Transpoxy systems.

### Physical properties.

Colour/Texture Redbrown and Sandyellow/Mat  
 Volume Solids 55%  
 Specific gravity 1.6 gr/ml  
 VOC 397 gr/liter  
 Flashpoint >25°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m <sup>2</sup> /l)
Range	75 – 125	135 –225	7.3 – 4.4
Recommended	75	135	7.3

### Application data.

Mixing ratio By weight, base to hardener: 86 to 14.  
 By volume, base to hardener: 75 to 25.

Potlife 5°C: 8 hours, 23°C: 6 hours, 30°C: 3 hours.

Guiding data Airless spray Pressure at nozzle: 180 -250 bar. Nozzle size: 0.38 - 0.53 mm.  
 Spray angle: 40 - 80 degrees.  
 Volume of thinner: 0 - 5%.

Guiding data Airspray Pressure. 3 - 5 bar. Nozzle size: 1.5 - 1.8 mm.  
 Volume of thinner: 0 - 10%.

Brush/Roller Suitable. Multicoats are required to achieve the specified dry film thickness.  
 Volume of thinner: 0 - 5%.

Thinner/Cleaner Transocean Epoxy Thinner 6.03

Conditions Humidity: below 85% RH  
 Temperature of the paint before application: min: 5°C, max: 30°C.  
 Substrate temperature: min: 5°C, max: 40°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	16 hours	10 days	24 hours	Indefinite
23 °C	2 hours	10 hours	7 days	16 hours	Indefinite
30 °C	1 hour	6 hours	4 days	10 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 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. Sa2,5 – ISO 8501:1. Hydroblasting: DW-3 according to STG-2222. Waterpressure > 1000 bar (or 15000 psi) Apply Transpoxy ZP Primer 1.61 immediately after the steel has been blasted and the quality of preparation has been approved.
Aluminium	Solvent cleaning according to SSPC-SP1 followed by light blast cleaning with a fine grade abrasive or by chemical etching.
Galvanized/ Zinc primed steel.	Remove zinc salts by power- or hand tool cleaning. Solvent cleaning according to SSPC-SP1.
Repair	Corroded areas should be power tool cleaned to ISO-St3 or blast cleaned to ISO-Sa2 or better. Existing systems should be dry and free from loose paint, salt, grease and other contaminants prior to overcoating.

## Recommended paint system.

A typical high performance system for atmospheric conditions is shown below.

Transpoxy ZP Primer 1.61	1 x 75 µ dft.
Transpoxy Intermediate 2.19	1 x 100 µ dft.
Transurethane Finish 3.43	1 x 40 µ 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 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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