



Product Data Sheet

Transurethane

MIO Coating 4.01

Product description.

A single pack, moisture cured polyurethane coating pigmented with micaceous iron oxide. The product offers good resistance against abrasion and is therefore suitable for use on decks, walkways and hatch covers. The coating cures quickly and can be applied at temperatures down to -5°C.

Physical properties.

Colour/Texture Silver and Grey/Mat
 Volume Solids 50%
 Specific gravity 1.47 gr/ml
 VOC 440 gr/liter
 Flashpoint >25°C

	Dry film thickness per coat (µ)	Wet film thickness per coat (µ)	Theoretical spreading rate (m ² /l)
Range	50 – 150	100 – 300	10.0 – 3.3
Recommended	80	160	6.2

Application data.

Potlife 23°C: 8 hours.

Guiding data Airless spray Pressure at nozzle: 180 -250 bar. Nozzle size: 0.48 - 0.66 mm.
 Spray angle: 40 - 80 degrees.
 Volume of thinner: 0 - 3%.

Guiding data Airspray Pressure: 4 - 6 bar. Nozzle size: 1.5 - 2.0 mm.
 Volume of thinner: 0 - 5%.

Brush/Roller Suitable. Multicoats are required to achieve the specified dry film thickness.
 Volume of thinner: 0 - 10%.

Thinner/Cleaner Transocean Polyurethane Thinner 6.04.

Conditions Humidity: below 85% RH.
 Temperature of the paint before application: min: 10°C, max: 30°C.
 Substrate temperature: min: 5°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, 70% RH	5 hours	24 hours	7 days	24 hours	Indefinite
23 °C, 70% RH	3 hours	16 hours	5 days	16 hours	Indefinite
30 °C, 70% RH	2 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 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. Apply Transurethane MIO Coating 4.01 immediately after the steel has been blasted and the quality of preparation has been approved.

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.

Transurethane MIO Coating 4.01 3 x 80 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 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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