



# Product Data Sheet

## Transurethane Varnish 9.31

### Product description.

A polyurethane topcoat Varnish possessing excellent hardness, flexibility and gloss. Designed for both interior and exterior use. and colour retention. It offers a tough, durable coating with good resistance against the spillage of oils and chemicals. It can be applied at a dry film thickness up to 100 micron in a single coat without affecting gloss properties.

### Physical properties.

Colour/Texture	Clear/Glossy
Volume Solids	49.7%
Specific gravity	0.95 gr/ml
Flashpoint	>24°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m <sup>2</sup> /l)
Recommended	30	60	16.6

### Application data.

Mixing ratio By volume, base to hardener: 80 to 20.

Potlife 10°C: 16 hours, 23°C: 8 hours, 30°C: 4 hours.

Guiding data Airless spray Pressure at nozzle: 120 - 150 bar. Nozzle size: 0.38 - 0.43 mm.  
Spray angle: 40 - 80 degrees.  
Volume of thinner: 0 - 3%.

Guiding data Air spray Pressure: 4 - 5 bar. Nozzle size: 1.2 - 1.8 mm.  
Volume of thinner: 5 - 10%.

Brush/Roller Suitable.  
Volume of thinner: 0 - 5%.

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	Hard dry	Full cure	Dry to recoat	
				Minimum	Maximum (1)
10 °C	4 hours	18 hours	10 days	18 hours	Indefinite
23 °C	1 hour	8 hours	7 days	8 hours	Indefinite
30 °C	30 minutes	6 hours	5 days	6 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.**

Coated substrates                      The surface must be dry and free from loose paint, salt, grease and other contaminants prior to overcoating.  
Oil and grease should be removed by solvent cleaning according to SSPC-SP1.  
Remove salts and dirt by fresh water washing.  
Corroded areas should be repaired first with an appropriate primer system.

**Recommended paint system.**

First coat to be thinned with up to 30 – 40% with 6.04 thinner and then apply 2 coats

**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.*

Date of issue: May 03.