

Si-Seal

Description:

Si-Seal paint is a premium quality sealer based on good resin.

- Excellent lasting adhesion whatever the surface. No risk of peeling, no adhesion loss.
- Good primer for wood surfaces.
- Good sandability.

Recommended use:

- Suitable for use on wood surfaces.

Specification Data:

Color	Clear
Viscosity	85 ± 5 K.U.
Solid by Volume	31 ± 3 %
Specific gravity	0.97±0.05 Kg/Liter
Touch dry	10 Min.
Hard dry	30 Min.
Coverage rate	8 ± 2 m ² /Kg
Thinning	Up to 10 %
Thinner	Sipes spirit
Condition of uses	Don't use below 10°C
Application tools	Brush, Roller, Air spray or airless spray
Tools cleaning	Using White spirit
Flash point	35° C
Sandability	Good
Finish	Semi gloss
Validation period	2 Year

Surfaces Preparation:

New surfaces:

- The surfaces should be dry, clean and free from contaminates such as grease, Oil, dust ... etc, Which can result in poor adhesion of the paint to the surface.

Repainting:

Surface must be sanded down with a fine grade sanding paper, then clean the surface from dust and apply one or two coats.

Recommended system for application:

Type	No. of coat	Thickness (Mm)
Si-Seal	1	20-30
Polyurethane 223,224 and 225	2	35

Safety For Use:

- 1- Keep away from direct sunlight with good ventilation.
- 2- Keep out of reach of children and direct flame.
- 3- Avoid eye contact and skin for a long time, if it happened, wash thoroughly with fresh water immediately.

Tarnspoxy Masterbond 4.67

Product Description.

A high Solids epoxy primer/coating formulated with Masterbond binder technology. Transpoxy Masterbond its excellent anticorrosive propperness and good impact - and abrasion resistance. Good adhesion to be prepared steel substrates and compatible with most aged coatings.

Physical Properties.

Colour/Texture	Redbrown and Grey/Semi-gloss
Volume Solids	81%
Specific gravity	1.41 gr/ml
VOC	168 gr/liter
Flashpoint	>25°C

	Dry film thickness per coat (µ)	Wet film thickness per coat (µ)	Theoretical spreading rate (m ² /l)
Range	100 – 250	1250 – 310	8.1 – 3.2
Recommended	150	185	5.4

Application data.

Mixing ratio	By weight,base to hardener : 10 to 1 By volume, base to hardener: 7 to 1
Potlife	10°C: 3 hours 23°C: 2 hours, 30°C:1 hour
Guiding data Airless spray	Pressure at nozzle:180-250 bar. Nozzle sizes: 0.41-0.58 mm Spray angle:40-80 degrees Volume of thinner: 0-5%
Guiding data Air spray	Suitable but airless spray is recommended. Multicoats are required to achieve the specified dry film thickness.
Brush	Volume of thinner: 0-10% Transocean Epoxy Thinner 6.03
Thinner/Cleaner	Humidity: below 85% RH
Conditions	Temperature of the paint before application:min:10°C,max:30°C. Substrate temperature: min: 10°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 with 1-pack	Maximum with 2-pack
10 °C	6 hours	24 hours	8 days	18 hours	15 days	Indefinite
23 °C	3 hours	20 hours	5 days	15 hours	10 days	Indefinite
30 °C	1 hours	16 hours	4 days	12 hours	10 days	Indefinite

(1) The surface should be dry 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 Preparation.

Steel Oil and grease should be removed by solvent cleaing 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 Masterbond immediately after the steel has been blasted an the quality of preparation has been approved.

Repair Existing systems should be roughened and free from loose paint, sait, 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 paint system.

A typical system for atmospheric exposure is shown below.

Tarnspoxy Masterbond 4.67 2 x 150 µ dft.

The coating can be left uncoated but may be recoated with Transpoxy-, Transurethane-, Transuniprene- or Transunilac Finishes.

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.

Due to standards and specification evolution the company reserves its rights to change the given data without prior notification - Issued at 1 / 1 /2004

Transurethane Finish 3.43

A polyurethane based topcoat for all areas above the waterline. The product provide excellent durability and offers superior gloss and colour retention.

Physical properties.

Colour/Texture	Transocean Colourshades/Glossy
Volume Solids	Dependent on colour shade, approx. 51%
Specific gravity	Dependent on colour shade, approx. 1.25 gr/ml
VOC	Dependent on colour shade, approx 429 gr/liter
Flashpoint	>24°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m ² /l)
Range	30 – 50	60 – 100	16.7 – 10.0
Recommended	40	80	12.5

Application data.

Mixing ratio	By weight, base to hardener: 83.3 to 16.7 By volume, base to hardener: 80 to 20
Potlife	10°C: 10 hours, 23°C: 6 hours, 30°C: 4 hours
Guiding data Airless spray	Pressure at nozzle: 120 – 180 bar. Nozzle size: 0.38 – 0.58 mm Spray angle: 40 – 80 degrees Volume of thinner: 0 – 3%
Guiding data Air spray	Pressure: 3 – 5 bar. Nozzle size: 1.2 – 1.5 mm Volume of thinner: 0 – 5 %
Brush/Roller	Suitable. Volume of thinner: 0 – 5%
Thinner/Cleaner	Transocean Special Thinner 6.01
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
10 °C	4 hours	12 hours	10 days	24 hours	Indefinite
23 °C	2 hours	6 hours	7 days	12 hours	Indefinite
30 °C	1 hours	4 hours	5 days	8 hours	Indefinite

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Surface preparation.

Coated Substrates Existing systems should 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.

Transurethane Finish can be applied on suitable Transoxy priming systems. A typical system for atmospheric exposure is shown below.

Transoxy Master bond 4.67 1 x 50 μ dft
Transurethane Finish 3.43 1-2 x 40 μ dft

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