Product Data Sheet

Transurethane Primer 1.13

Product description.

A two pack polyurethane based primer designed specifically for the protection of aluminum substrates under marine conditions. It can be used above and under the waterline. The primer can be recoated with barrier coatings such as Transpoxy Sealer 1.99

Physical properties.

Colour/Texture	Grey/Semi-gloss
Volume Solids	57%
Specific gravity	1.3 gr/ml
Flashpoint	>22°C

	Dry film thickness per coat (µ)	Wet film thickness per coat (µ)	Theoretical spreading rate (m^2/l)
Range	50 – 80	90 –140	11.4 – 7.1
Recommended	50	90	11.4

Application data.

Mixing ratio	By volume, base to hardener: 75 to 25.
Potlife	10°C: 8 hours, 23°C: 4 hours.
Guiding data Airless spray	Pressure at nozzle: 180 -300 bar. Nozzle size: 0.38 - 0.53 mm. Spray angle: 40 - 80 degrees. Volume of thinner: 0 – 3%.
Guiding data Airspray	Pressure. 3 - 5 bar. Nozzle size: 1.2 - 2.0 mm. Volume of thinner: 0 – 10%.
Brush/Roller	Suitable. Volume of thinner: 0 – 5%.
Thinner/Cleaner	Transocean PU Thinner 6.04
Conditions	Humidity: below 90% RH 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 (1)
10 °C	4 hours	18 hours	8 days	24 hours	Indefinite
23 °C	1 hour	8 hours	5 days	16 hours	Indefinite
30 °C	30 minutes	3 hours	3 days	8 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. Sa 2,5 – ISO 8501:1. Apply Transurethane Primer 1.13 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	Existing systems should be dry and free from loose paint, salt, grease and other contaminants prior to overcoating.

Recommended paint system.

Transurethane Primer 1.13	1 x 50 µ dft.
Transpoxy 1.99	2 x 75 µ dft.

Subsequent coatings can be Transurethane Finish 3.43 for above waterline areas or appropiate Antifouling systems suchs as Transocean Masterline 2.81 for underwater areas.

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

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