



Product Data Sheet

Transozinc Silicate 1.52

Product description.

A self-curing ethylsilicate with a high zinc dust content for an excellent protection of steel structures against corrosion in industrial and marine environments. The product is abrasion resistant and offers good resistance against many solvents and chemicals. It can be left uncoated but may be recoated with Transpoxy, Transoprene or Transvinyl products.

Physical properties.

Colour/Texture	Grey/Flat
Volume Solids	50%
Specific gravity	2.3 gr/ml
VOC	434 gr/liter
Heat Resistance (dry)	400-450 °C
Flashpoint	>13 °C

	Dry film thickness per coat (µ)	Wet film thickness per coat (µ)	Theoretical spreading rate (m ² /l)
Range	50 – 100	100 –200	10.0 – 5.0
Recommended	75	150	6.6

Application data.

<u>Mixing ratio</u>	By weight, binder to zinc dust: 16 to 84. By volume, binder to zinc dust: 40 to 60. The zinc dust should be added gradually whilst stirring preferably by means of a mechanical mixer. Keep stirring until mixture is lump-free. If necessary, remove coarse particles by sieving to avoid blockage of the spray equipment.
<u>Potlife</u>	23°C: 8 hours, 30°C: 6 hours,
<u>Guiding data Airless spray</u>	Pressure. 120 - 150 bar. Nozzle size: 0.53 - 0.64 mm. Spray angle: 40 - 80 degrees. Volume of thinner: 0 - 3%
<u>Guiding data Airspray</u>	Pressure. 4 - 5 bar. Nozzle size: 1.8 - 2.2 mm. Use equipment with a low speed agitator. Volume of thinner: 0 – 10%.
<u>Brush/Roller</u>	Only suitable for touch-up work.
<u>Thinner/Cleaner</u>	Transocean Inorganic Zinc Thinner 6.07.
<u>Conditions</u>	Humidity: between 30 -100% RH. Substrate temperature: min: 1°C, max: 35°C. Temperature of the paint before application: min: 5°C, max: 30°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 conditions	Full cure	Dry to recoat	
		Minimum	Maximum (1)
30% RH, 23°C	24 hours	24 hours	Indefinite
50% RH, 23°C	12 hours	10 hours	Indefinite
100% RH, 23°C	2 hours	2 hours	Indefinite

(1) When recoated with itself, TO 1.52 should be applied wet on wet. When recoating with other products, the coating should be dry and free from zinc salts and other contaminants. Apply a mist coat of the subsequent product first. 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 Transozinc Silicate 1.52 immediately after the steel has been blasted and the quality of preparation has been approved.

Recommended paint system.

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1 x 75 µ dft.

Can be left uncoated but may be recoated with Transpoxy, Transvinyl or Transoprene products.

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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