



# 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 Transoxy, 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 <sup>2</sup> /l)
Range	50 – 100	100 –200	10.0 – 5.0
Recommended	75	150	6.6

### Application data.

**Mixing ratio**  
 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.

**Potlife** 23°C: 8 hours, 30°C: 6 hours,  
**Guiding data Airless spray** Pressure. 120 - 150 bar. Nozzle size: 0.53 - 0.64 mm.  
 Spray angle: 40 - 80 degrees. Volume of thinner: 0 - 3%

**Guiding data Airspray** Pressure. 4 - 5 bar. Nozzle size: 1.8 - 2.2 mm.  
 Use equipment with a low speed agitator.  
 Volume of thinner: 0 – 10%.

**Brush/Roller** Only suitable for touch-up work.

**Thinner/Cleaner** Transocean Inorganic Zinc Thinner 6.07.

**Conditions** 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.

