



Product Data Sheet

Transosil Aluminium HR 5.15

Product description.

Aluminium finish based on silicone resins for steel substrates where heat resistance up to 600 °C is required. The product can be applied on Transozinc Silicate Solventborne 1.52 if a better resistance against corrosion is desired. For maximum heat resistance Transosil Aluminium HR must be applied directly on the steel.

Physical properties.

Colour / Texture Silver / Gloss
 Volume Solids 40%
 Specific gravity 1.1 gr/ml
 VOC 540 gr/litre
 Flashpoint >25°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m ² /l)
Recommended	20-40	50 - 100	20.0 - 10.0

Application data.

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 %. Not advised

Guiding data - Air spray Pressure: 2,0 – 3,0 bar. Nozzle size: 1.5 - 2.0 mm.

Volume of thinner: 0 – 10%.

Brush / Roller

Suitable.
 Volume of thinner: 0 – 5%.

Thinner / Cleaner

Transocean Special Thinner 6.01.
 Avoid excessive thinning as it will result in lower sag resistance and slower cure.

Drying and recoating times.

Substrate temperature	Touch dry	Hard dry	Dry to recoat	
			Minimum	Maximum (2)
23 °C	15 minutes	After 1 hour at 200 °C	4 hours	Indefinite

(1) The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, preceding paint system etc

(1) The surface should be dry and free from salts and other contaminants prior to overcoating. 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 Transosil Aluminium HR immediately after the steel has been blasted and the quality of preparation has been approved.
Repair	The surface must be dry and free salts, grease and other contaminants prior to overcoating. Remove any salts and dirt by fresh water washing. Corroded areas should be power tool cleaned to ISO-St2 or blast cleaned to ISO-Sa2 or better.

Recommended paint system.

A typical system with anticorrosive properties is shown below.

Transozinc Silicate Solventborne 1.52	1 x 50 µ dft.
Transosil Aluminium HR 5.15	2 x 20 µ dft.

Application conditions.

The temperature of the substrate should be at least 3°C above the dew point of the air. Temperature and relative humidity should be measured in the vicinity of the substrate. The maximum recommended surface temperature is approx. 40 °C. Higher steel temperatures are acceptable provided dry-spray is avoided by proper spray application and extra thinning if required. In extreme cases it may be necessary to reduce film thickness in order to avoid sagging. When applying the paint in confined spaces, provide adequate ventilation during application and drying. The temperature of the mixed paint should be at least 15 °C, otherwise extra solvent may be required to obtain a proper application viscosity.

Storage and shelf life.

The product must be stored in accordance with national regulations. The cans are to be kept in a dry, cool, well ventilated space and away from source of heat and ignition. Cans must be kept tightly closed.

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 be 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. Spraying should be carried out under well-ventilated conditions. This product contains flammable materials and should be kept away from sparks and open flames. Smoking in the area should not be permitted.

Date of issue: July, 12.