Product Data Sheet

Transosil Aluminium HT 5.15

Product description.

An, aluminium finish based on silicone resins. The product can withstand temperatures continuously up to 600°C,. The product can be applied on Transozinc Silicate Solventborne 1.52 if a better resistance against corrosion is desired. For maximum heat resistance Transosil High Build Aluminum must be applied directly on the steel.

Physical properties.

Colour/Texture	Silver/Glossy
Volume Solids	22%
Specific gravity	1.01 gr/ml
Flashpoint	>25°C

	Dry film thickness per coat (µ)	Wet film thickness per coat (µ)	Theoretical spreading rate (m^2/l)
Range	20 - 50	90 - 225	11.0 – 4.4
Recommended	40	180	5.5

Application data.

Guiding data Airless spray
Pressure at nozzle: 120 –150 bar. Nozzle size: 0.22 - 0.38 mm.
Spray angle: 40 - 80 degrees.
Volume of thinner: Not advised

Guiding data Air spray
Pressure: 3 – 4 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 90% RH.
Temperature of the paint before application: min: 10°C, max: 30°C.
Substrate temperature: min: 1°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	Hard dry	Dry to recoat	
			Minimum	Maximum (2)
23 °C	30 minutes	See note (1).	4 hours	Indefinite

(1) The product cures by a gradual rise in temperature. The following curing schedule is recommended.
- 30 minutes gradual rise to 100°C.
- 1 hour gradual rise to 200°C.
- 2 hours gradual rise to 450°C.

(2) 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 High Build Aluminium 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 HT 5.15	1 x 40 µ dft.

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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