



Product Data Sheet

Transolac Aluminium HR 5.11

Product description.

Aluminium based finish suitable for interior and exterior application for steel substrates where heat resistance up to 200 °C is required. The product can be applied on Transogard priming system but for maximum temperature resistance Transolac Aluminium HR must be applied directly to the steel.

Physical properties.

Colour/Texture Silver/Glossy
 Volume Solids 33%
 Specific gravity 1.01 gr/ml
 VOC 585 gr/liter
 Flashpoint >25°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m ² /l)
Range	20 – 40	60 – 120	16.5 – 8.2
Recommended	30	90	11.0

Application data.

Guiding data Airless spray Pressure at nozzle: 120 –150 bar. Nozzle size: 0.38 - 0.53 mm.
 Spray angle: 60 - 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 Alkyd Thinner 6.00.

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 (1)
10 °C	4 hours	2 days	16 hours	Indefinite
23 °C	2 hours	1 day	10 hours	Indefinite
30 °C	1 hour	1 day	8 hours	Indefinite

(1) The surface should be dry and free from salts and other contaminants prior to overcoating. 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. Sa2,5 – ISO 8501:1. Apply Transolac Aluminium HR immediately after the steel has been blasted and the quality of preparation has been approved.
Coated substrates	The surface must be dry and free salts, grease and other contaminants prior to overcoating. Corroded areas should be power tool cleaned to ISO-St2 or blast cleaned to ISO-Sa2 or better.

Recommended paint system.

A typical system is shown below.

Transogard Zincphosphate 1.24	2 x 35 μ dft.
Transolac Aluminium HR 5.11	2 x 30 μ dft.

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. 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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