



® TECHNICAL DATA SHEET (TDS)

KTH 300°C HEAT RESISTANT ALUMINIUM PAINT

**Product Description**

KTH 300°C HEAT RESISTANT ALUMINIUM PAINT is single component solvent based heat resistance aluminium paint. It is formulated with silicone resin and able to withstand continuous atmospheric dry heat resistant up to 250°C, and occasional peak temperature of 300°C. It gives silvery and low gloss finishing to painted surfaces.

**Uses**

As primer, mid coat or top coat in a multi-coat coating system. Most suitable for use on properly prepared steel surfaces subject to extreme temperature.

**Composition**

Pigment : Aluminium paste.  
Binder : Silicone resin  
Solvent : Hydrocarbon

**Physical Characteristics of the Paint:**

Density : 0.96 – 1.02  
Volume Solid : 43 ± 5%  
Viscosity : 49 ± 5 KU at 30°C  
Theoretical Coverage : 12.5 – 17 m<sup>2</sup>/litre  
Colour : Aluminium

**Coating Properties:**

Recommended Dry Film Thickness	: 25 - 35 microns per coat
Recommended Wet Film Thickness	: 58 - 81 microns per coat
Typical Coating System	: HR 300°C / HR 300°C
Recommended Numbers of coat	: One to two
Drying Time	: Touch Dry – 15 mins, Dry to handle – 1 hour
Recoating interval	: At least 8 hours
Curing Time	: 1 day

**Surface Preparation:**

Previous painted surface and bare substrate must be completely dry and free from rust, mill-scale, dirt, grease and other contaminants before painting. For maximum adhesion and durability of paint performance, all bare surfaces should be prepared by means of sand blasting.

**Application Method:**

Method of Application	: Brush, roller, and spray application.
Product Preparation	: Stir mixture thoroughly before use. No thinning is required. However, 10% of thinner can be added for workability.
Pot Life (at 30°C)	: No pot life limit.

**Safety Precaution:**

1. This product is flammable.
2. Keep away from sources of ignition.
3. Keep container tightly closed and keep out of reach of children.
4. Wear suitable personal protective clothing during painting.
5. Ensure adequate ventilation. Do not breathe or inhale spray mist.
6. Do not apply when the relative humidity exceeds 85%.
7. Avoid skin and eye contact. Spillage on skin should be removed immediately with cleanser, soap and water. Eye should be well flushed with water and seek medical advice immediately if discomfort persists.