

Crown Heat Resistant Aluminium up to 600°C

PRODUCT DESCRIPTION

Type: A single pack, high temperature coating formulated with a leafing aluminum pigment and silicone vehicle that withstands temperatures up to 600°C. Its resistant properties only develop after heating to 600°C. It forms a super durable porcelain-like bond on surfaces at high temperatures and offers excellent resistance to gasoline, rust, salt spray, oil, grease and humidity.

Uses: Widely used on steelwork which requires paint with good heat resistance up to 600°C in a wide range of industrial environments, e.g. petrochemical plants, power stations, offshore structures etc.

Substrates: Un-insulated chimney stacks, retorts, exhausts, jet engines, boiler fronts, kilns, high pressure steam lines, furnaces, boilers, kilns, metal fireplaces, grills and other hot metal surfaces requiring a heat resistant protective coating.

Advantages: Outstanding weathering resistance and durability. Good adhesion, flexibility and reflectivity. Good chemical, corrosion and heat resistance. Easy to apply. Easy maintenance.

Conditions during application: The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, measured near the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 3% (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

PRODUCT DATA:

Colour Range: Metallic Silver

Pack Sizes: 1 litre, 4 litres and 20 Litres

Finish: Metallic lustre

Thinner & equipment cleaner: Crown Industrial Thinner

Dilution Ratio: Supplied ready for use for brush application. For spray application, thin up to 10% by volume with Crown Industrial Thinner. Stir well before and intermittently during use.

Drying Times: Touch Dry: 30min - 2 Hours. Overcoating Time: 12 Hours @ 25°C.

D.F.T.: 25 to 50 µm

APPLICATION DATA:

The product can be applied by: Brush, roller or spray. Roller application may require special care to prevent bubbling and more than one coat to obtain proper film thickness

Spreading Capacity per coat: Depends on film thickness applied, type of texture, surface porosity, imperfections, temperature & wastage during painting

5 - 10m²/l per coat.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

TECHNICAL DATA SHEET



If you like it... Crown it!

DIRECTIONS FOR USE

Surface preparation & Paint System:

The service life span and performance of Heat Resistant Aluminium is directly related to the degree of surface preparation

Surface	Preparation	Primer/ Undercoat	Topcoat
New Ferrous and Steel surfaces	Degrease with Crown White Spirit or degreaser followed by a fresh water rinse. Abrasive Blast Clean to SA 2½ of Swedish Standard SIS 055900 - 1967. Alternatively, Wire Brush to ST 3 of the same standard	Normally no primer is required as it is self-priming. For corrosive environments, an Inorganic Zinc Silicate Primer is recommended	1 – 2 coats Crown Aluminium Heat Resistant Paint diluted with Crown Industrial Thinner as per application method
New Galvanised Iron & Aluminium	Degrease with Crown White Spirit or degreaser followed by a fresh water rinse. Test for “water break free” surface prior to priming. 1 coat of 1-pack Etch Primer or Mordant Solution	Normally no primer is required as it is self-priming. For corrosive environments, an Inorganic Zinc Silicate Primer is recommended	1 – 2 coats Crown Aluminium Heat Resistant Paint diluted with Crown Industrial Thinner as per application method

Precautions:

1. Surfaces must only be painted when cold.
2. Painted surfaces must not be heated until after 24 hours drying of the paint otherwise blistering may occur

Availability: From Crown Depots in Nairobi, Kisumu, Mombasa, Meru, Nyeri, Eldoret, Arusha, Mwanza, Dar es Salaam, Kigali and through Crown Stockists.

Storage Conditions: Store under cool dry conditions away from direct sunlight, heat and extreme cold.

Disclaimer: The recommendations contained herein are given in good faith and meant to guide the user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Crown Paints Kenya PLC control. Technology may change with time, necessitating changes to this Technical Data Sheet (TDS). Crown Paints Kenya PLC reserves the right to amend the TDS without any further notice. It is the responsibility of the user to ensure that the latest TDS is being used for reference.



For additional health & safety information, please refer to our Material Safety Data Sheet (MSDS)