

ALG

HEATPROOF ALUMINIUM CORROSION PROTECTION COAT

- Aluminium in heat resistant silicon-resin
- Provides long-term corrosion and protects surface from dirt and temperature fluctuation
- Adheres on the metal surface due to added synthetic resin
- Ideal for applications at high temperatures
- Resists temperatures up to 970°C
- Creates a glossy and shiny aluminium effect



Notice

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

ALU GUARD

General Information

ALU GUARD creates a cathodic and physic corrosion protection and with a fast and sustainable application. ALU GURAD only needs a thin layer of one time spraying to form a protective coat of almost 100% aluminium. After one layer of ALU GUARD the surface is already protected against all weather influences and shows a glossy, heat resistant appearance. After a treatment with temperatures over 180°C, the resin evaporates and the aluminium particles sinter together

and form a strong, homogene surface. ALU GUARD withstands temperatures of 800°C and up to 970°C for intermittent periods. ALU GUARD can be used for touching up of metal parts and to provide long-term corrosion protection at elevated temperatures such as exhaust pipes, grills and stoves. ALU GUARD is compatible with many metals, for example with iron, steel, galvanized steel, white iron, cast iron, copper, brass aluminium.

Technical Information

COATING

Base: aluminium in heat resistant silicon-resin
 Density (at 20°C): 0,853 g/ml
 Viscosity (at 20°C): 0,6 CST
 Recommended operating temperature range: -50 to 970°C
 Peak temperature: 970°C
 Overpaintable: no
 Curing time (at 200°C): 60 min (to achieve max. chemical resistance)

GENERAL AEROSOL

Physical state: Aerosol
 Colour: According to product designation
 Odour: characteristic
 Initial boiling point and boiling range: -44.5 °C
 Flash point: -97 °C
 Auto-ignition temperature: 365 °C
 Upper/lower flammability or explosive limits: 0.7 - 13 Vol-%
 Propellant: propane/butane
 Density (at 20°C): 0,720 g/cm³
 Pressure (at 20°C): 8,300 hPa
 Kinematic viscosity: ≤ 20.5 mm²/s
 Delivery rate (at 20°C): 0,9 g/sec

Application and Use

- Use ALU GUARD on room temperature and shakethe can well before use.
- Before the application of ALU GUARD the surface must be dry and clean, free from dirt, rust, grease etc.
- For the best results shown, the surface should be sanded lightly.
- ALU GUARD needs to be sprayed as an even layer on the object or surface to be coated.
- Leave ALU GUARD to harden. For maximal chemical resistance the coating should be cured at 180°C for more than 20 min.
- After the usage of ALU GUARD, hold the can up side down and spray until only gas is released, to clean the nozzle and prevent blockage.

Article nr	Name	Content	Shelf Life	Catalog
T112003	Alu Guard 500ml	500ml	see imprint + 36 months	SURFACE PROTECTION AND TREATMENT

