

Technical Data



ALU HIGH-TEMP HIGH TEMPERATURE STABLE PROTECTIVE COATING



ALU HIGH-TEMP is a high temperature stable aluminium coating. Based on silicone resins and active aluminium pigments, Alu H.T. is designed to build a hard, lasting finish that will not burn, chip or peel off at high temperatures.

FEATURES

- Conforms to ASTM D-2485-68
- High thermal stability: resists temperatures up to 600°C (continuous).
- Excellent coverage.
- High durability.
- Quick drying at room temperature.
- Very good resistance to temperature fluctuations.
- Good weather stability. Although some loss of gloss can be noticed after extended exposure.
- Totally lead and chromate free.
- Non-chlorinated and no aromatic solvents.
- Dimethylether (DME) propellant for controlled application and optimum film properties.

APPLICATIONS

- | | | |
|---------------------|----------------|------------|
| • Stove pipes | • Stoves | • Heaters |
| • Kilns | • Incinerators | • Chimneys |
| • Exhaust manifolds | • Headers | • Engines |
| • Ovens | • Steam pipes | |

DIRECTIONS

- Shake aerosol can well for at least one minute after agitator ball is free. Repeat frequently while using.
- Apply to a clean, degreased, dry surface for best results. Remove rust and scale with a wire brush.
- Apply in light, even coats; best results are obtained with 2 lighter rather than 1 heavy coat.
- Additional coats can be applied after 15-30 minutes.
- Complete curing occurs during use, typically after 1 h @ 200°C or 45 min. @ 250°C.
- When spraying is finished, clean aerosol valve by turning can upside down and pressing button until only propellant escapes. If clogging occurs, remove button and clean orifice with fine wire.

- Do not use on energised equipment. Use in well ventilated area.

TECHNICAL DATA

Appearance	:	Matt Aluminium Finish
Resin Type	:	Silicone
Pigment Type	:	Non-Leafing Aluminium
Specific Gravity (@ 20°C)	:	0.99
Flash Point (Solvents)	:	-4°C
Coverage (30 µm, dry)	:	Approx. 2.7 m ² /can (400 ml)
Drying Times		
To Touch	:	15 min @ 20°C (45% RH)
To "Hard"	:	24 h @ 20°C (45% RH)
To Complete Cure	:	1 h @ 200°C
Recommended Film Thickness	:	25-30 µm
Thinner / Cleaner	:	M.E.K., Acetates
Dry Film Properties (On Degreased Metal)		
Heat Resistance (ASTM D-2485-68)		
Method 1 (24 h cont.)	:	600°C
Method 2 (cycling)	:	635°C
Adhesion On Steel (NFT 30038)	:	0/1
Flexibility (After Heating To 600°C, 6 mm Mandrel, Visual)	:	Pass
Packaging	:	12 x 400ml

STORAGE

The product may be stored at normal ambient temperatures and has a shelf life of not less than 48 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

HEALTH AND SAFETY

Health and Safety sheet available separately.

TECHNICAL SERVICE

CRC Industries UK Ltd provides a technical support service and maintains a constant programme of research and development. We are able to assist customers by specific product development to meet particular requirements.

MISREPRESENTATION ACT 1967

TRADE DESCRIPTIONS ACT 1968

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