

ALU HITEMP PRO

Technical Data Sheet

Product name: ALU HiTemp Pro
Sales code: 32735

Creation date: 8/2016

Version: I

1: General description

High temperature aluminum coating.

A high temperature paint based on silicone resins and active aluminum pigments.

Alu HiTemp Pro is designed to build a hard lasting finish that will not burn off, chip or peel at high temperatures.

2: Features

- High thermal stability: resists temperatures up to 600°C.
- 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.
- No chlorinated solvents.
- Aerosols use dimethylether (DME) propellant for controlled application and film properties.

3: Applications

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

4: Directions

- Shake aerosol can very well for at least one minute after agitator ball is free. Stir or mix bulk product well to obtain a homogeneous dispersion. 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.
- A safety data sheet (MSDS) according to EC Regulation N° 1907/2006 Art.31 and amendments is available for all CRC products.

5: Typical product data (without propellant)

- Appearance : mat aluminum finish
- Resin type : silicone
- Pigment type : non-leaving aluminum
- Specific gravity @ 20°C : 0,99
- Flash point (solvents) : -4°C
- Coverage (30 µm, dry) : approx. 2,7 m2/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/I
 - Flexibility : pass
(after heating to 600°C, 6 mm mandrel, visual)

6: Packaging

Aerosol

12x500 ML

All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.

This Technical Data Sheet may already have been revised as a result of a change in legislation, availability of components or newly acquired experiences. The latest and only valid version of this Technical Data Sheet will be sent to you upon simple request or can be found on our website: www.crcind.com We recommend that you register on our website for this product, thus enabling you to automatically receive any future updates.