



1. GENERAL DESCRIPTION

High temperature aluminium coating.

A high temperature paint based on silicone resins and active aluminium pigments. Alu HiTemp 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 and no aromatic solvents.
- Aerosols use dimethylether (DME) propellant for controlled application and film properties.

3. APPLICATIONS

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

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 EU directive 93/112 is available for all CRC products.



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5. TYPICAL PRODUCT DATA (without propellant)

Appearance	:	mat aluminium finish
Resin type :	silicone	
Pigment type	:	non-leafing aluminium
Specific gravity (@ 20°C)		
- aerosol	:	0,99
- bulk	:	1,11
Flash point (solvents)		
- aerosol	:	-4°C
- bulk	:	42°C
Coverage (30 µm, dry)		
- aerosol	:	approx. 2,7 m2/can (400 ml)
- bulk	:	TBD
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	:	pass
(after heating to 600°C, 6 mm mandrel, visual)		

6. PACKAGING

aerosol : 12 x 400 ml
bulk : 750 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 at this moment for reason such as legislation, availability of components and 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 you to register on this website for this product so you will be able to receive any future updated version automatically.

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