



# BERGER **Protecton** PROTECTIVE COATINGS

## ALUMINIUM HR PAINT

### USES

Suitable for use on hot metal stacks, ductings, furnace equipment, hot pipes and similar areas exposed to dry heat attacks etc.,

### SCOPE

A High performance Heat Resistant Coating for Protecton of steel at elevated temperatures. Meets the specification as per IS 13183 Grade 1 & 2

### PRODUCT DATA

**Type :** Single Pack

**Composition :** Modified Silicone medium pigmented with Aluminium

**Application :** Brush or Conventional Spray

**Recommended DFT :** 25 - 30 microns per coat

**Theoretical Spreading Rate :** 6.6 - 8 Sq.Mtr/Ltr/Coat

**Drying Time :**

TOUCH : 1 Hour

HARD : Overnight

**Curing Time :** After application of final coat allow the system to dry for minimum 24 Hrs, under ambient condition. The temperature is then to be gradually increased to the working temperature range for obtaining optimum performance.

**Overcoating Interval :**

MIN : 24 Hours

**Flash Point :** Above 27° C

**Colour :** Aluminium Metallic

**Finish :** Bright & Lustrous

**Packing :** 20 Ltrs

**Thinner/Cleaner :** Thinner 853

**Storage Life :** Upto nine months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

### RESISTANCE GUIDE

**Chemical Resistance :**

EXPOSURES	SPLASH & SPILLAGE	MILD FUMES / OUT DOOR RESISTANCE
<b>Acids</b>	Good	Good
<b>Alkalis</b>	Poor	Poor
<b>Solvents</b>	Fair	Fair
<b>Salt</b>	Good	Good
<b>Water</b>	Good	Good

**Temperature Resistance : Dry Heat**

400-600°C (Grade-1); 250 - 400°C (Grade 2)

**Weatherability :** Excellent

**Flexibility :** Good

**Abrasion Resistance :** Moderate

**DATA SHEET No. :** 181 rev 01

**Issue Date :** Sep 2009

**SURFACE PREPARATION**

Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast Clean to a minimum of Sa 2 1/2 Swedish Std. SIS 05 5900 with a surface profile not exceeding 30 - 40 microns.

If blasting is not practical, make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to St:2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces.

The metal or primed surface should be clean and dry before application of Aluminium HR Paint. Blasting is a must if it is applied over Inorganic Zinc Silicate

**APPLICATION**

Mix the contents thoroughly before and during use.

Brush : Apply without thinning to recommended thickness.

Conventional Spray : Add upto 3% Thinner 853, depending on conditions. Use any standard equipment at an atomizing pressure of 2.8 - 3.5 Kg/Cm<sup>2</sup>

**TYPICAL PAINTING SPECIFICATIO**

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Zinc Anode 304	Aluminium HR Paint	Aluminium HR Paint
-DO-	Aluminium HR Paint	Aluminium HR Paint	Aluminium HR Paint

**Notes :**

1. Application must be carried out on cold surface only. After the final coat has dried completely, the painted surface may be gradually heated.
2. Do not apply when temperature falls below 10° C or rises above 50° C and when relative humidity rises above 90%. Do not apply during rain, for or mist.
3. Addition of Thinner in paint is normally not advisable.
4. Spray equipment should be cleaned with Thinner 853 otherwise equipment is likely to be damaged.

**Health & Safety :** Please refer to the separate Safety Data Sheet available with detailed information.

**DISCLAIMER**

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

**Data Sheet No :**  
181 rev01  
**Issue Date :**  
Sep 2009

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