BERGER Protecton PROTECTIVE COATINGS

CORROHEAT ALUMINIUM COATING

USES

The product is recommended for use on heated pipelines, exhaust pipes, smoke stacks etc., operating at temperature upto 500 degree C dry heat

SCOPE

A superior Aluminium paint meant for protection of steel surfaces subjected to acute corrosion from high heat and humid/saline environmental abuse. The coating is unique as it serves the dual purpose of heat and corrosion resistance and is suitable for application in both new construction and maintance stages.

PRODUCT DATA

Type : Single pack

Composition : Silicone resin with Anticorroisve pigments and aluminium

Application: Brush or conventional spray

Recommended DFT : 25 microns per coat average

Theoretical Spreading Rate : 8.8 m2/ltr/coat

Drying Time :

Surface Dry - 25 to 30 mins

Tack Free - 5 to 6 Hrs

Hard Dry - Overnight

Curing : The product after Hard drying becomes handable . However, it cures insitu when the temperature gradually increases to 2000C during operation

Overcoating Interval :

MIN : Overnight

Flash Point: Above 25 degree C

Colour: Aluminium

Packing: 20 Ltrs

Thinner/Cleaner : Thinner 853

Finish: Metallic

Storage Life : Upto twelve 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 and spillage		Mild Fumes / Outdoor Resistance
Acids	Fair	Fair	Good
Alkalis	Poor		Good
Solvent	Very good		Good
Salt	Excellent		Excellent
Water			Excellent

Temperature Resistance:

Continuous : 250-500 0C dry heat

Weatherability: Excellent

Flexibility: Good

Abrasion Resistance: Good

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Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast clean to a minimum of Sa 2 1/2 Swedish Standard sis 05 5900 with a surface profile not exceeding 35-40 microns
It blasting is not practical, make full use of mechanical tools alongwith manual chipping and wire brushing to remove loose rust and scale to St. 2 Swedish Standard SIS 055900. Excessive burnishing of steel is to be avoided.
Thoroughly dust down all surfaces.

The surface should be clean and dry before application of Corroheat Aluminium Coating

APPLICATION

Stir thoroughly before and occasionally during use.
Brush: Apply, without thinnking, to the recommended thickness.
Conventional Spray: Add maximum upto 10% Thinner 853 depending on conditions.
Use any suitable standard equipment at an atomising pressure of 2.8-3.5 kg/ sq.cm

TYPICAL PAINTING SPECIFICATIONS

Surface	1st coat	2nd Coat	3rd Coat
Steel (2500 C - 4000 C)	Zinc Anode 304	Corroheat Alum	Corroheat Alum
Steel Upto 5000 C	Corroheat Alum	Corroheat Alum	-
Steel Upto 5000 C	- do -	- do -	

Notes:

1. Application must be carried out on cold surface only. After the final coat has dried completely, the painted surface may gradually be heated.

2. Do not apply when temperature fails below 10 degree C or rises above 50 degree C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.

3. For heat resistance upto 400 degree C, Zinc Anode 304 can act as a primer coat which is to be applied on blast cleaned surfaces only.

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

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BERGER PAINTS INDIA LIMITED Berger House,129 Park Street, Kolkata 700017
Phone : (033) 2229 9724 (5 lines) / 249 9754 (4 lines) Fax : 91-33-2249 9729 / 2249 9009
Email : NORTH : protectondelhi@sify.com SOUTH : bpil_ch2@sify.com
EAST : bpil_cl1@vsnl.net WEST : bpilmum_prot@mtnl.net.in