



Berger Zinc Rich Primer

USES

Suitable for application as a priming coat on structural steel, pipelines, tank exteriors etc., of refineries, petrochemicals, fertilizers, power generation plants, mining facilities and bulk handling equipment.

SCOPE

A two pack epoxy primer containing metallic zinc. It imparts excellent cathodic protection when applied over blast cleaned steel. It has been specially designed for application on steel structurals, tank exteriors and has no deleterious effects on normal cutting and welding operations.

PRODUCT DATA

Type : Two pack, cured with Polyamide.

Composition : Epoxy resin / metallic zinc

Mixing Ratio : Base : Catalyst : 3:1 by volume.

Pot Life : 6-8 hours

Application : Brush, roller, air/ airless spray.

Recommended DFT : 25 - 40 microns per coat

Corresponding WFT : 66-105 microns per coat

Theoretical Spreading Rate : 9.5-15.2 sq.mtr/ltr

Drying Time :

TOUCH : 15-30 minutes

HARD : 4- 6 hours

Curing Time : 7 days

Overcoating Interval :

MIN : Overnight

MAX : Indefinite

Flash Point : Above 22 degree C

Colour : Grey

Finish : Matt

Packing : 20 Ltrs

Thinner/Cleaner : Thinner 844

Storage Life : Upto six 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 / OUTDOOR RESISTANCE
Acids	Fair	Very Good
Alkalis	Fair	Very Good
Solvent	Excellent	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Note : In chemical environment, adequate performance is obtained with a suitable top coat.

Temperature Resistance :

Continuous : 200 degree C

Intermittent : 300 degree C

Weatherability: Excellent. Should be top coated for maximum durability.

Flexibility : Good

Abrasion Resistance : Very Good

SURFACE PREPARATION

Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast clean to a minimum Sa 2 1/2 Swedish Standard SIS -05 5900. For severe corrosive conditions, blast to Sa 3 with a surface profile not exceeding 35 - 40 microns.

Special care must be taken on weld areas to remove flux and spatter. Welds should be ground back to avoid pockets where corrosion can occur. The cleaned surface should be coated before it becomes contaminated.

APPLICATION

Stir the base thoroughly and then mix three parts base and one part catalyst by volume to uniform consistency. Allow the mixture to mature for 30 minutes and stir again before application and occasionally during use.

Brush / Roller : Apply without thinning.

Conventional Spray : Normaly no thinning is required. However, addition of Thinner 844 upto 5% is recommended for ease of application. Use any standard equipment at an atomising pressure of 3.5 - 4.2 Kg/cm2.

Airless Spray : Apply without thinning. Use any standard equipment having pump ratio 30:1. Tip size 0.38 – 0.43 mm. Tip pressure 110 –160 Kg/cm².

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Berger Zinc Rich Primer	Epilux 155 HB RPL MIO	Epilux 4 HB Epoxy Finish	Epilux 4 HB Epoxy Finish
- do -	- do -	Epilux 155 HB RPL MIO	Bergerthane HB Finish	Bergerthane HB Finish
- do -	- do -	Epilux 5 CTE or Epilux 555 CTE HB	Epilux 5 CTE or Epilux 555 CTE HB	-
- do -	- do -	Linisol HB MIO	Linisol CR Paint	Linisol C/R Paint

Notes :

1. Use off the mixed paint within the stipulated pot life period.
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, fog or mist.
3. Brushes and spray equipment should be cleaned with Thinner 844 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.

**DS No. : 201
April 2009**

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