

BERGER Protecton

Epilux HB Zinc Rich Primer Super

Scope

A low VOC epoxy zinc primer specially designed with high quantum of metallic zinc for superior cathodic protection. This primer over blasted metal will be excellent if exposed with suitable top coats to saline and highly corrosive environments.

Product Data

Type : Two pack, cured with Polyamide

Composition : Epoxy resin /metallic zinc

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

Pot Life : 2-4 hours

Application : Brush, airless or conventional spray

Recommended DFT : 50-75 microns per coat

Corresponding WFT : 80-121 microns per coat

Theoretical Spreading Rate : 8.3-12.4 Sq.Mtr/Ltr

Drying Time :

TOUCH : 15-30 minutes

HANDLE : 2-3 hours

HARD : 4-6 hours

Curing Time : 7 days

Overcoating Interval :

Min : Overnight

Max : Indefinite

Flash Point : Above 22 degree C

Colour : Grey

Packing : 20 Ltrs

Thinner/Cleaner : Thinner 844

Finish : Matt

Storage Life : Up to six months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions

Uses

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

Resistance Guide

Chemical Resistance

Exposures	Splash and spillage	Mild Fumes/ outdoor Resistance
Acids	Fair	Good
Alkalis	Fair	Good
Solvent	Excellent	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Temperature Resistance :

Continuous : 200 degree C

Intermittent : 300 degree C

Weatherability : Excellent. Should be top-coated for optimum performance

Flexibility : Good

Abrasion Resistance : Very Good

Data Sheet No.116

Document No MKT-006-148-00

Issue Dt. 14.01.2000

Copy No. 01

BERGER PAINTS INDIA LTD.

(DHIRAJA GHOSH)

Vice-President - Sales & Marketing

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 with a surface profile not exceeding 65 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 of base and one part of catalyst by volume to uniform consistency.

Brush: Apply without thinning.

Conventional Spray: Add 5 to 10% Thinner 844 to bring application viscosity of 22 to 26 secs. Use any standard equipment having pump ratio 30:1. Tip size 0.38-0.48 mm. Tip pressure 110-160 Kg/cm².

Typical Painting Specifications

Surface	1st coat	2nd coat	3rd coat	4th coat
Steel	Epilux HB Z/R Primer	Epilux 455 HB MIO	BR Acrylic HB PU Ctg or Bergerthane Finish	BR Acrylic HB PU Ctg or Bergerthane Finish
-do-	-do-	Epilux 155 HB or Epilux 218	Epilux 155 HB or Epilux 218	
-do-	-do-	Epilux 5 CTE or Epilux 555 CTE HB	Epilux 5 CTE or Epilux 555 CTE HB	
-do-	-do-	Linosol HB MIO	Linosol C/R Paint	Linosol C/R Paint

Notes:

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when the temperature falls below 10 degree C or rises above 50 degree C and when relative humidity rises above 90% or 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.

BergerPaints India Limited
BERGER HOUSE
129 Park Street
Calcutta 700 017.

Disclaimer

The information contained herein 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

Tel:(033)2499724 (5 lines)
2499754 (4 lines)
Fax:91-33-2499729/2499009
Telex:021-5482/5791

Data Sheet No.116

Issue Date January, 2000