

# 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

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### 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/cm<sup>2</sup>.

### 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-	Linisol HB MIO	Linisol C/R Paint	Linisol 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.

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### Disclaimer

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