



# BERGER Protecton PROTECTIVE COATINGS

## Epilux 4 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 enriched with metallic zinc. The primer provides outstanding performance on blast cleaned steel as it imparts cathodic protection to the base metal. It has no deleterious effects on normal cutting and welding operations. We hold approval certificates for cutting, welding, health & safety from appropriate authorities.

### 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, Conventional or 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° C

**Colour :** Grey

**Finish :** Matt

**Packing :** 20 Ltrs. & 4 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
Solvents	Excellent	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

**Note :** In chemical environments, adequate performance is obtained with a suitable top coat

**Temperature Resistance :**

Continuous : 200° C  
Intermittent : 300° C

**Weatherability :** Very Good. 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 of 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 3 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 :** Apply without thinning.

**Conventional Spray :** Normally 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/cm<sup>2</sup>.

**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/cm<sup>2</sup>.

**TYPICAL PAINTING SPECIFICATIONS**

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Epilux 4 Z/R Primer	Epilux 4 HB MIO	Epilux 4 CR Enl.	Epilux 4 CR Enl.
-do-	-do-	Epilux 155 HB or Epilux 89 HB	Epilux 155 HB or Epilux 89 HB	
-do-	-do-	Epoxy PU HB or Bergerthane	Epoxy PU HB or Bergerthane	
-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 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.
4. Priming with Epilux 4 Zinc Rich Primer is also known as “cold galvanising”.

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

**DISCLAIMER**

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**DATA SHEET No. : 036**  
**Issue Date : Mar. 04**

**BERGER PAINTS INDIA LIMITED**