



# BERGER Protecton PROTECTIVE COATINGS

## Epilux 13 High Build Primer

### USES

Recommended as a priming coat for structural steelwork, vessels, pipelines in fertilizer, chemicals, refineries, petrochemical plants, DM Water plants, etc.

### SCOPE

A two pack high build epoxy primer with outstanding corrosion resistance properties. This primer contains a high level of anticorrosive pigment which renders superior properties when applied on steel. It is ideal for application in areas where higher thickness is recommended for achieving optimum performance. Overcoating can be done with epoxy, chlororubber and polyurethane top coats.

### PRODUCT DATA

**Type :** Two Pack, cold cured with Polyamide

**Composition :** Catalysed epoxy resin/Zinc Phosphate

**Mixing Ratio :** Base : Catalyst – 1 : 1 by volume

**Pot Life :** 6–8 hours

**Application :** Brush, Airless or Conventional Spray

**Recommended DFT :** 50–75 microns per coat

**Corresponding WFT :** 100–150 microns per coat

**Theoretical Spreading Rate :** 6.7–10.0 Sq. Mtr./Ltr.

**Drying Time :**

TOUCH : 1–2 hours  
HANDLE : 4–6 hours  
HARD : Overnight

**Curing Time :** 6–7 days

**Overcoating Interval :**

MIN : Overnight  
MAX : Indefinite

**Flash Point :** Above 22° C

**Colour :** Grey/Red Oxide

**Finish :** Low sheen

**Packing :** 20 Ltrs.

**Thinner/Cleaner :** Thinner 844

**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 & SPILLAGE	MILD FUMES / OUTDOOR RESISTANCE
Acids	Good	Very Good
Alkalis	Very Good	Excellent
Solvents	Very Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

**Temperature Resistance :**

Continuous : 93° C  
Intermittent : 120° C

**Weatherability :** Excellent with suitable top coat

**Flexibility :** Very Good

**Abrasion Resistance :** Excellent

**SURFACE PREPARATION**

**Steel :** 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 65 microns.

**APPLICATION**

Stir the base thoroughly and then mix the base with the catalyst in equal proportions 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 :** Add upto 15% Thinner 844 depending on conditions. Use any standard equipment at an atomising pressure of 3.5–4.9 Kg/cm<sup>2</sup>.

**Airless Spray :** Apply preferably without thinning. However, upto 5% Thinner 844 may be added if absolutely essential depending on conditions. 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 13 HB Primer	Epilux 155 HB MIO	Epilux 4 CR Enamel	Epilux 4 CR Enamel
-do-	-do-	Epilux 155 HB or Epilux 4 HB or Bergerthane	Epilux 155 HB or Epilux 4 HB or Bergerthane	
-do-	-do-	Epilux 5 CTE or Epilux 555 CTE HB	Epilux 5 CTE or Epilux 555 CTE HB	
Galvanised Iron & Aluminium	Degrease and abrade the surface. Apply a coat of Bison Wash Primer followed by any of the above systems.			

**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. The product is based on VALSPAR/MOBIL, USA Technology and is equivalent to Val-Chem Epoxy Primer 13 series.

**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.

**DATA SHEET No. :** 038/01  
**Issue Date :** Mar. 04

**BERGER PAINTS INDIA LIMITED**

Berger House, 129 Park Street, Kolkata 700017 **Phone :** (033) 2229 9724 (5 lines) / 2249 9754 (4 lines) **Fax :** 91-33-2249 9729 / 2249 9009  
**Email :** NORTH : bpil\_okh@mantraonline.com SOUTH : bpil\_ch2@sify.com EAST : bpil\_cl1@vsnl.net WEST : bpil\_vsh@vsnl.net