



# BERGER **Protecton** PROTECTIVE COATINGS

## Epilux 4 Zinc Rich High Build ESR Primer

### USES

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

### SCOPE

A superior epoxy primer, heavily loaded with metallic zinc. It imparts excellent cathodic protection when applied over blast cleaned steel. It has been specifically designed for application on structurals, tank exteriors; which are exposed to highly saline and / or corrosive environment

#### PRODUCT DATA

**Type :** Two pack cured with Polyamide hardener

**Composition :** Catalysed Epoxy resin pigmented with Zinc Dust and others

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

**Pot Life :** 6 - 8 hours

**Application :** Brush, airless or conventional spray

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

**Corresponding WFT :** 86-129 microns per coat

**Theoretical Spreading Rate:** 7.7-11.6 Sq.Mtr/Ltr /coat

**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

**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	Good
Alkalis	Fair	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	: 120 degree C
Intermittent	: 200 degree C

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

**Flexibility :** Good

**Abrasion Resistance :** Very Good

**DATA SHEET No. :** 042/01

**Issue Date :** Jan 2006

### 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 when 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 surfaces 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:** 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 - 0.48 mm. Tip pressure 110 - 160 Kg/cm<sup>2</sup>

### TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Epilux 4 Z/R HB ESR Primer	Epilux 155 HB MIO	Epilux 4 HB Epoxy Finish	Epilux 4 HB Epoxy Finish
-do -	- do -	Epilux 155 HB MIO	Bergerthane 41 S/G Urethane Finish	Bergerthane 41 S/G Urethane 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.

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**Data Sheet No. :  
042/01**

**Issue Date : Jan  
2006**

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