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 maxiumum durability.

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 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^2.

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^2.

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-	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 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.

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