



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 Fair	Good
Alkalis	Excellent	Good
Solvent	Excellent	Excellent
Salt	Excellent	Excellent
Water		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

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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. 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/cm².

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/cm²

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.

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.

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