BERGER Protecton PROTECTIVE COATINGS

Epilux 13 Low Build Primer

USES
Can be used in various industries including refineries, fertilizers and other chemical installations, coastal or inland.

SCOPE
A specially designed low build epoxy anti corrosive primer which cures to a hard and tough film with excellent physical properties. It also provides good chemical resistance because of high loading of zinc phosphate anti corrosive pigment.

PRODUCT DATA

Type : Two Pack, cured with Polyamide

Composition : Catalysed epoxy resin/Zinc Phosphate

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

Pot Life : 5–6 hours

Application : Brush, Conventional or Airless Spray

Recommended DFT : 25–35 microns per coat

Corresponding WFT : 54–76 microns per coat

Theoretical Spreading Rate : 13.1–18.4 Sq. Mtr./Ltr.

Drying Time :

TOUCH : 1 hour
HANDLE : 4 hours
HARD : Overnight

Curing Time : 6–7 days

Overcoating Interval :

MIN : Overnight
MAX : 30 days

Flash Point : Above 22° C

Colour : 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 WEATHERING
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 : 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 with a surface profile not exceeding 35–40 microns.

If blasting is not practical, make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to St. 2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces. Surfaces should be clean and dry before application of Epilux 13 Low Build Primer.

APPLICATION

Stir the base thoroughly and then mix three parts base and one part catalyst by volume to uniform consistency. Allow the mixture to mature for 30 minutes and stir again before and during application.

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^2.

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^2.

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Epilux 13 LB Primer	Epilux 4 HB MIO	Epilux 4 CR Enl.	Epilux 4 CR Enl.
-do-	-do-	Epilux 155 HB or Epilux 89 HB or Bergerthane	Epilux 155 HB or Epilux 89 HB or Bergerthane	
-do-	-do-	Epilux 5 CTE or Epilux 555 CTE HB	Epilux 5 CTE or Epilux 555 CTE HB	
-do-	-do-	Epilux 13 LB Primer	Epilux 78 HBTL	Epilux 78 HBTL
Galvanised Iron or Aluminium	Degrease and abrade the surface. Apply a coat of Bison Wash Primer followed by any of the above systems excluding the primer coats.			

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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