BERGER Protecton PROTECTIVE COATINGS

Epilux 6161 Primer

USES

Epilux 6161 Primer can be successfully used in various fertilizers, refineries, chemical and other plants applied in diverse areas of tank exteriors, equipment, pipelines, structural steel, etc. The primer can be used on structural components of infrastructure industries.

SCOPE

A two pack Zinc Phosphate epoxy primer for use on steel surfaces. The primer is designed for superior performance in highly corrosive coastal environments. It can be overcoated with epoxy, chlororubber and polyurethane top coats. The product conforms to RDSO Specn. M&C/PCN/102.

PRODUCT DATA

Type : Two Pack, cured with Polyamide

Composition : Catalysed epoxy resin/Zinc Phosphate and other pigments

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

Pot Life : 5–6 hours under ambient conditions

Application : Brush, Conventional or Airless Spray

Recommended DFT : 30–40 microns per coat

Corresponding WFT : 67–90 microns per coat

Theoretical Spreading Rate : 11.2–15.0 Sq. Mtr./Ltr.

Drying Time :

TOUCH	: 1 hour
HANDLE	: 4 hours
HARD	: Overnight

Curing Time : 6–7 days

Overcoating Interval :

MIN	: Overnight
MAX	: 10 days

Flash Point : Above 22° C

Colour : Grey

Finish : Matt

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	Good
Alkalis	Good	Good
Solvents	Very Good	Very Good
Salt	Very Good	Very Good
Water	Very Good	Very Good

Temperature Resistance :

Continuous	: 93° C
Intermittent	: 120° C

Weatherability : Very Good with suitable top coat

Flexibility : Good

Abrasion Resistance : Fair

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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 35–40 microns.

The surface should be clean and dry before application of Epilux 6161 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 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^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 6161 Primer	Epilux 4 HB MIO	Epilux 4 CR Enamel	Epilux 4 CR Enamel
-do-	-do-	Epilux 155 HB or Bergerthane or Epoxy PU HB coating	Epilux 155 HB or Bergerthane or Epoxy PU HB coating	
-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.

Health & Safety : Please refer to the separate Safety Data Sheet available with detailed information.

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