BERdc

BERGER

A two pack Solvetless Epoxy Finish designed

Protecton

Epilux - 4
High Build Epoxy Finish

Scope

A two pack High Build Epoxy finish with excellent performance when exposed to a wide range of corrosive chemicals and marine/industrial environments.

Uses

Recommended for use on MS structural and tank exterior of fertilizer plants, chemical units, refineries, petrochemicals etc.

Product Data

Type: Two pack epoxy cured with polyamide resin.

Composition: Catalysed epoxy resin suitably pigmented

Mixing Ratio: Base: Catalyst: -10:1 by volume

Pot Life: 6-8 hours

Application: Brush or airless spray

Recommended DFT: 90-110 microns per coat

Corresponding WFT: 143-175 microns per coat

Theoretical Spreading Rate: 5.7-7.0 Sq. Mtr/ Ltr

Drying time:
TOUCH: 3 - 4 hours
HANDLE: 8 - 10 hours
HARD: Overnight

Curing Time: 6-7 days

Overcoating Interval: Min: Overnight
Max:5 days

Flash Point: Above 22 degree C

Colour: Assorted shades

Packing: 11 Ltrs

Thinner / Cleaner: Thinner 844

Finish: Egg-shell

Storage Life: Up to 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 and spillage	Mild Fumes / outdoor
		Resistance
Acids	Good	Very Good
Alkalis	Good	Very Good
Solvent	Good	Good
Salt	Very Good	Very Good
Water	Very Good	Very Good

Temperature Resistance:

Continuous: 93 degree C
Intermittent: 120 degree C

Weatherability: Good in combination with a suitable inhibitive primer

Flexibility: Good

Abrasion Resistance: Very Good

Date Sheet No. 122/ Rev. 1

Surface Preparation

STEEL: Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast clean to a minimum Sa 2 1/2 Swedish Standards SIS 05 5900. For severe corrosive conditions, blast to Sa 3 with a surface profile not exceeding 65 microns.
If blasting is not practical, make full use of mechanical tools alongwith 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. Best results can be achieved if the manually cleaned surface is primed with Protectomastic - Self Priming Surface tolerant coating; otherwise treatment with Bison Metal Conditioning Solution will also produce satisfactory results.
The surface should be clean and dry before application of appropriate primer coat.

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

Brush : Add upto 5% Thinner 844 if required during application

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 40: 1. Tip Size 0.43 -0.53 mm. Tip Pressure 110 - 160 Kg/ cm2.

Typical Painting Specifications

Surface	1st coat	2nd coat	3rd coat
Steel	Zinc Anode 304 or Epilux 4 Z/R Primer	Epilux 4 Epoxy Finish	Epilux 4 Epoxy Finish
- do -	Epilux 610 or Epilux 13 Primer	- do -	- do -
-do-	Protectomastic	-do-	-do-

Notes:
1. Use off the mixed paint within the stipulated pot life period 2. Do not apply when the temperature falls below 10 degree C or rises above 50 degree C and when relative humidity rises above 90% or 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. 122/ Rev 1

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