BERGER Protecton PROTECTIVE COATINGS

Epilux 89 High Build Finish

USES

Recommended for use on offshore platform structurals, helideck, and accommodation areas as well as underdecks and above water areas of jackets. The product is also suitable for application on MS & concrete areas of fertilizer plants, chemical units, refineries, petrochemicals, metallurgical units, etc.

SCOPE

A two pack epoxy high build coating with superb performance in severe marine and industrial environments. The product has excellent resistance to chemicals and solvent fumes, splash and spillage.

PRODUCT DATA

Type : Two Pack epoxy, cured with Polyamide resin

Composition : Catalysed epoxy resin, suitably pigmented

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

Pot Life : 4–6 hours

Application : Brush, Conventional or Airless Spray

Recommended DFT : 100–125 microns per coat

Corresponding WFT : 172–216 microns per coat

Theoretical Spreading Rate : 4.6–5.8 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° C

Colour : Assorted shades

Packing : 20 Ltrs.

Thinner/Cleaner : Thinner 844

Finish : Egg-shell to semi glossy

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

Temperature Resistance :

Continuous : 93° C
Intermittent : 120° C

Weatherability : Excellent in combination with a suitable primer

Flexibility : Good

Abrasion Resistance : Very Good

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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. 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 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. Best results can be achieved if the manualy cleaned surface is primed with Protectomastic – Self Priming Surface Tolerant Coating. The surface should be clean and dry before application of appropriate primer coat.

Concrete : NEW CONCRETE : Ensure that the concrete is cured for a minimum of three months. The surface is to be made rough and free from laitance and other contaminants by sand sweeping. OLD CONCRETE : Remove all salt deposits from the surface by water jet washing. Light sand blast the surface to remove all loosely bound coatings & roughening of firmly adhering coatings to ensure anchorage with recommended system. Ensure all dust/other particles are fully removed by suction or air blast and the surface is fully cleaned and dry before application of paint. In non-critical areas where blasting is not possible, water jet washing and hard wire brushing are minimum requisites.

APPLICATION

Stir 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 during use.

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

Conventional Spray : Add upto 15% Thinner 844 depending on conditions. Use any standard pressure pot equipment at an atomising pressure of 3.7–4.9 Kg/cm^2.

Airless Spray : Apply preferably without thinning. However, upto 5% Thinner 844 may be aded 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/cm^2.

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Zinc Anode 304 or Epilux 4 Z/R Primer	Epilux 89 HB Finish	Epilux 89 HB Finish
-do-	Epilux 610 Primer or Epilux 13 HB Primer	-do-	-do-
-do-	Protectomastic	Epilux 4 HB MIO	-do-
Concrete or Plastered Surfaces	Epilux 4 Clear Lacquer	Epilux 89 HB Finish	-do-
Galvanised Iron & 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 & spray equipment should be cleaned with Thinner 844 otherwise equipment is likely to be damaged.
4. The product is based on VALSPAR/MOBIL, USA technology and is equivalent to Valchem High Solids Epoxy 89 Series.

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

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