



BERGER  **Protecton** PROTECTIVE COATINGS

Epilux 155 High Build Enamel

USES

Recommended for application on structural steel, pipelines, storage tanks, etc. subjected to aggressive environment. Suitable for application on concrete walls and columns. Can be used in fertilizer plants, chemical units, tank farms, offshore installations and various other industries including aquaculture.

SCOPE

A two pack epoxy high build coating with excellent resistance to severe coastal and industrial environments. Unaffected by a broad range of corrosive chemicals and solvent exposure, it is recommended for protection from fumes, splash and spillage.

PRODUCT DATA

Type : Two Pack, 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, Airless or conventional Spray

Recommended DFT : 50 – 60 microns per coat

Corresponding WFT : 100-120 micron per coat

Theoretical Spreading Rate : 8.3 – 10.0 Sq. Mtr./Ltr.

Drying Time :

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

Curing Time : 7 days

Overcoating Interval :

MIN : Overnight
MAX : 5 days

Flash Point : Above 22° C

Colour : Assorted shade

Finish : Egg shell

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

Temperature Resistance :

Continuous : 93 ° C
Intermittent : 120 ° C

Weatherability : Good in combination with a
inhibitive primer.

Flexibility : Good

Abrasion Resistance : Very Good

DATA SHEET No. : 049/X
Issue Date : Jan 2006

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. For severe corrosive conditions, blast to Sa 3 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. Best results can be achieved if the manually cleaned surface is primed with Protectomastic – Self Priming Surface Tolerant Coating. The surface should be clean and dry before application of appropriate coating.

Concrete: NEW CONCRETE: Ensure that the concrete is cured for a minimum of three months. 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 of water jet washing. Light sand blast the surface to remove all loosely bound coatings and roughening up 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 clean 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/cm².

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	4th Coat
Steel	Zinc Anode 304 or Epilux 4 Z/R Primer	Ep 455 HB M10	Epilux 155 HB	Epilux 155 HB
-do-	Epilux 610 Primer or Epilux 13 Primer	-do-	- do -	- do -
-do-	Protectomastic	Epilux 155 HB	-do-	-
Concrete or Plastered Surfaces	Epilux 4 Clear Lacquer	-do-	- do -	-
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.

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.

Data Sheet No. :
049/X

Issue Date :
Jan 2006

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