



BERGER Protecton PROTECTIVE COATINGS

EPI LUX DUREBILD FRE COATING

USES

Ideal for application over Floating tank roof exterior, jetty pilings, bridge underdecks and other installation where water and chemical resistance are required. The product is suitable for Chemical, Petrochemicals, Refineries, and corrosive industries in both maintenance and new construction situation.

SCOPE

A high build high solids epoxy mastic coating with superior surface wetting properties for use over hand and power tool cleaned surface. Exhibits excellent resistance to weather, water and chemical environments. The product can be applied over a wide range of prepared, well adhering, aged coating types.

PRODUCT DATA

Type : Two Pack Epoxy cured with Mannich based curing agent.

Composition : Catalysed Epoxy resin suitably pigmented

Mixing Ratio : Base : Catalyst - 4 : 1 by volume

Application: Airless Spray. Brush for touching up small areas only.

Pot Life : 60 - 90 minutes at ambient conditions

Recommended DFT : 100 - 150 microns per coat

Theoretical Spreading Rate : 5.7 - 8.5 Sq.Mtr/Ltr/Coat

Drying Time :

Touch: within 4 to 5 Hrs

HANDLE: 8 to 10 hours

HARD: 16 hrs

Curing Time : 7 days minimum

Overcoating Interval :

MIN : Overnight

MAX : 5 Days

Colour : White & Greys

Finish : Smooth and semi glossy

Packing : 20 Ltrs

Thinner/Cleaner : Thinner 844

Storage Life : Upto nine 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 / OUT DOOR RESISTANCE
Acids	Good	Very Good
Alkalis	Very Good	Excellent
Solvents	Very Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Temperature Resistance :

Dry Heat: Continuous: 100 degree C

Intermittent: 120 degree C

Weatherability: Excellent

Flexibility: Very Good

Abrasion Resistance: Excellent when fully cured

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SURFACE PREPARATION

Steel : Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Make full use of mechanical tools alongwith manual chipping and wire brushing to remove loose rust and scale to St.2 or St.3 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces. Performance and longevity will depend on the degree of surface cleaning achieved.

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 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 cleaned and dry before application of the 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 four parts of base and one part of catalyst by volume to uniformity; avoid over agitation if mixing is done with a power mixer. **Brush:** Use a short bristle for working the material into all irregularities. Suitable only for small areas. In order to achieve desired performance, it is essential that the recommended film thickness is obtained. On sharp edges, boltheads flanges, etc. application of a stripe coat will assure freedom from skips or holidays.

Airless Spray : Add maximum upto 10% Thinner 844. Use any standard equipment having pump ratio 40 : 1. Tip Size 0.53 - 0.68 mm. Tip Pressure 110 - 180 Kg/Sq cm.

TYPICAL PAINTING SPECIFICATIC

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Zinc Anode 304 or Epilux 610 HB or Epilux 13 HB or Epilux FRX A/c	Epilux Durebild FRE	Epilux Durebild FRE
Steel	Epilux Durebild FRE	-do-	-
Concrete	Epilux Durebild STE (Thin coat)	-do-	-do-

Precaution :

- Do not apply in conditions outside the parameters stated in this document without the written consent of Berger Paints India.
- Freshly mixed material must not be added to material that has been mixed for sometime.
- Do not apply at temperature below 10 degree C or at relative humidity above 85% or when the surface is less than 3 degree C above the dew point
- Clean all equipments with Thinner 844 immediately after use.

Storage: Store under cover in a well ventilated area away from the source of heat or ignition. Keep the containers closed when not in use .

Handling: As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection should be provided if there be a risk of splashes entering the eyes.

Using: Use with good ventilation and avoid inhalation of spray mists and fumes. While spraying users should comply with the Spray Painting Regulations.

Flammability: This product is flammable. All sources of ignition must be eliminated in, or near the working area. Fight fire with foam, CO 2, dry chemical powder.

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.

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BERGER PAINTS INDIA LIMITED

Berger House, 129 Park Street, Kolkata - 700017. Phone : (033) 2229 9724 (5 lines)/2249 9754 (4 lines) Fax : 91-33-2249 9729 / 2249 9009
Email : NORTH : bpil_okh@mantraonline.com SOUTH : bpil_ch2@sify.com EAST : bpil_cl1@vsnl.net WEST : bpil_vsh@vsnl.net