



# 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 aqua culture.

### 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 Amine Adduct

**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 :** 50–60 microns per coat

**Corresponding WFT :** 106–128 microns per coat

**Theoretical Spreading Rate :** 7.8–9.4 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 shades

**Thinner/Cleaner :** Thinner 844

**Finish :** Egg-shell

**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 suitable inhibitive primer

**Flexibility :** Good

**Abrasion Resistance :** Very Good

**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 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 coat.

**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 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 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/cm<sup>2</sup>.

**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/cm<sup>2</sup>.

**TYPICAL PAINTING SPECIFICATIONS**

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Zinc Anode 304 or Epilux 4 Z/R Primer	Epilux 155 HB	Epilux 155 HB
-do-	Epilux 610 Primer or Epilux 13 Primer	-do-	-do-
-do-	Protectomastic	-do-	-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 & 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.

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**BERGER PAINTS INDIA LIMITED**