



# BERGER **Protecton** PROTECTIVE COATINGS

## Epilux 4 Clear Lacquer

### **USES**

Useful for application on laboratory furniture, wooden cabinets, wooden partitions and floors. It preserves the natural grain of the timber. Epilux 4 Clear Lacquer can be applied over pigmented Epoxy top coats for better durability and colour/gloss retention in chemical and coastal installations. The product can be used on concrete for sealing porosity.

### **SCOPE**

A two pack epoxy clear coating which gives an extremely tough, high performance film. It is suitable for application as a glossy top coat over epoxy paint systems or as a primer coat over blasted steel or concrete surfaces. The product can be overcoated with epoxy top coats.

### **PRODUCT DATA**

**Type :** Two pack, cured with Polyamide

**Composition :** Catalysed epoxy resin

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

**Pot Life :** 6–8 hours

**Application :** Brush, Conventional or Airless Spray

**Recommended DFT :** 15–20 microns per coat

**Theoretical Spreading Rate :** 16.0–21.3 Sq. Mtr./Ltr.

**Drying Time :**

TOUCH	: 2–3 hours
HANDLE	: 6–8 hours
HARD	: Overnight

**Curing Time :** 7 days

**Overcoating Interval :**

MIN	: Overnight
MAX	: 5 days

**Flash Point :** Above 22° C

**Colour :** Clear

**Finish :** Glossy

**Packing :** 20 Ltrs. and 4 Ltrs.

**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	Very Good
Solvents	Good	Very Good
Salt	Fair	Fair
Water	Good	Very Good

**Temperature Resistance :**

Continuous	: 93° C
Intermittent	: 120° C

**Weatherability :** Very Good

**Flexibility :** Excellent

**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 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. 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 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 the base thoroughly and then mix three parts of base and one part of catalyst by volume to a homogeneous consistency. Allow the mixture to mature for 30 minutes and stir again before application and occasionally during use.

**Brush** : Apply preferably without thinning. However, if required during application, add upto 5% Thinner 844.

**Conventional Spray** : Add maximum upto 5% Thinner 844, if required, depending on conditions. Use any standard equipment at an atomising pressure of 3.5–4.2 Kg/cm<sup>2</sup>.

**Airless Spray** : Apply preferably without thinning. Use any standard equipment having pump ratio 30 : 1. Tip size 0.33–0.38 mm. Tip pressure 140–160 Kg/cm<sup>2</sup>.

### TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Epilux 610 Primer	Epilux 4 CR Enamel or Epilux 155 HB	Epilux 4 CR Enamel or Epilux 155 HB	Epilux 4 Clear Lacquer
Concrete or Plastered Surfaces	Epilux 4 Clear Lacquer	-do-	-do-	
Wood particle Boards, Plywood etc.	-do-	Epilux 4 Clear Lacquer		

### 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.

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