



# BERGER **Protecton** PROTECTIVE COATINGS

## Epilux 4 Putty/Trowelling Compound

### **USES**

Recommended for use on all external and internal surfaces of steel and concrete of fertilizers, refineries, chemical and nuclear power plants etc.

### **SCOPE**

A two pack solventless epoxy filler which cures with minimum shrinkage. It is extremely hard and tough and is recommended for filling of pits and indentations in steel plates and for rectifying irregularities on concrete or plastered surfaces.

### **PRODUCT DATA**

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

**Composition :** Catalysed solventless epoxy suitably pigmented.

**Mixing Ratio :** Base : Catalyst – 1 : 1 by weight

**Pot Life :** 11/2–2 hours

**Application :** Trowel or Putty applicator

**Recommended DFT :** 300–500 micron dents can be filled in one coat

**Theoretical Spreading Rate :** 1.0–1.5 Sq. Mtr./Kg. depending on indentation

**Drying Time :**

TOUCH : 1–2 hours  
HANDLE : 6–8 hours  
HARD : Overnight

**Curing Time :** 5 days

**Overcoating Interval :**

MIN : Overnight  
MAX : 5 days

**Flash Point :** Not applicable

**Colour :** Off-white

**Finish :** Matt

**Packing :** 4 Kgs.

**Thinner/Cleaner :** Thinner 844

**Storage Life :** Upto six 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	Fair	Fair
Alkalis	Good	Good
Solvents	Very Good	Excellent
Salt	Good	Good
Water	Very Good	Excellent

**Temperature Resistance :**

Continuous : 80° C  
Intermittent : 100° C

**Weatherability :** Good with suitable top coat

**Flexibility :** Poor

**Abrasion Resistance :** Excellent

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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 with a surface profile not exceeding 65 microns.

The surface should be clean and dry before application of appropriate primer coat.

**APPLICATION**

Mix equal parts by weight of base and catalyst to a homogeneous consistency. Allow the mixture to mature for 30 minutes and then stir the mixture once again before use. When filling with trowel or putty applicator, press firmly into indentations, and level off whilst it is pliable. This will minimise any future rubbing down that may be necessary. Rubbing should commence when the film is dry to handle. Use coarse emery paper or fine sanding disc or orbital sander. If filler is allowed to dry hard, it becomes difficult to level by hand and a mechanical sander may be employed.

**TYPICAL PAINTING SPECIFICATIONS**

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Epilux 610 or Epilux 13 Primer	Epilux 4 Putty	Epilux 4 CR Enamel or Epilux 155 HB or Bergerthane	Epilux 4 CR Enamel or Epilux 155 HB or Bergerthane
Concrete or Plastered Surface	Epilux 4 Clear	-do-	Epilux 155 HB or Epilux 78 HBTL or Epilux 5 CTE	Epilux 155 HB or Epilux 78 HBTL or Epilux 5 CTE

**Notes :**

1. This putty when mixed is in a paste form. Use off 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.

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