



# BERGER Protecton PROTECTIVE COATINGS

## Epilux 78 HBTL

### USES

Recommended for use as a tank lining ( both mild steel and concrete ) in fertilizer, refineries, petrochemicals, heavy chemicals and other plants. The product passes MIBK resistance test.

### SCOPE

A high build high performance tank liner specially designed for sustained immersion service. A self priming coating, this product possesses excellent solvent, chemical and saline water resistance. The product is ideal for storage of Petroleum Hydrocarbon cargoes including ATF, as well as potable water, – approval certificate from CFTRI, Mysore available.

### PRODUCT DATA

**Type :** Two Pack, cured with Amine Adduct

**Composition :** Catalysed epoxy resin  
suitably pigmented

**Mixing Ratio :** Base : Catalyst – 4 : 1 by volume

**Pot Life :** 6–8 hours

**Application :** Conventional or Airless Spray.  
Brush for small areas only.

**Recommended DFT :** 100–150 microns per coat

**Corresponding WFT :** 182–273 microns per coat

**Theoretical Spreading Rate :** 3.7–5.5 Sq. Mtr./Ltr.

**Drying Time :**

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

**Curing Time :** 7days minimum

**Overcoating Interval :**

MIN : Overnight  
MAX : 5 days

**Flash Point :** Below 22° C

**Colour :** White, Light Grey & Dark Grey

**Packing :** 20 Ltrs.

**Thinner/Cleaner :** Thinner 844

**Finish :** Matt to 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	IMMERSION
Alkalies	Excellent
Solvents	Excellent
Salt ( upto 80°C )	Excellent
Water	Excellent

**Temperature Resistance :**

Continuous	: 93° C
Intermittent	: 120° C

**Flexibility :** Moderate

**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 65 microns. The surface should be clean and dry before application of Epilux 78 HBTL or 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 & roughening 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 four 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 during application.

**Conventional Spray** : Normally not recommended for application at high thickness. However application by conventional spray by pressure pot gun can be done using upto 15% Thinner 844. 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, if required add upto 5% Thinner 844. Use any standard equipment having pump ratio 30 : 1. Tip size 0.43–0.48 mm. Tip pressure 110–160 Kg/cm<sup>2</sup>.

### TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Zinc Anode 304 or Epilux 4 Z/R Primer	Epilux 78 HBTL	Epilux 78 HBTL	
-do-	Epilux 610 Primer or Epilux 13 Primer	Epilux 610 Primer or Epilux 13 Primer	-do-	Epilux 78 HBTL
-do-	Epilux 78 HBTL	Epilux 78 HBTL		
Concrete or Plastered Surfaces	Epilux 4 Clear or Epilux 78 HBTL (thin coat)	-do-	Epilux 78 HBTL	

### 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 liable to be damaged.
4. The product is based on VALSPAR/MOBIL, USA technology and is equivalent to High-Build Epoxy 78 series.
5. To achieve recommended film thickness and uniform finish, use Airless Spray.

**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.** : 053/02  
**Issue Date** : Mar. 04

### BERGER PAINTS INDIA LIMITED

Berger House, 129 Park Street, Kolkata 700017 **Phone** : (033) 2229 9724 (5 lines) / 249 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