

# EPI LUX 4

## PROTECTIVE COATING

## Epoxy High Gloss Finish

### PRODUCT DESCRIPTION

A two component epoxy-polyamide based top coat contain the durable color pigments:

- High resistance to impact and abrasion
- Good adhesion to aged epoxy coatings
- By virtue of the epoxy resin it has excellent resistance to mild acids, bases and other chemicals.
- BS 5493 reference. Meets performance of KFIA

### DESIGNED USE

Ideal topcoat to enhance the protection of either epoxy or polyurethane primers used steelwork, non-ferrous substrates, and concrete surface.

- Suitable as topcoat for upto C4 Environment as per ISO12944 Part 2.

### PHYSICAL DATA

Properties	Value
Volume solids (Based on ASTM D 2697)	52 % + 2 %
DFT range	50 -100 microns
Typical dry film thickness	50 microns
Equivalent wet film thickness	96 microns
Theoretical spreading rate	10.4 m <sup>2</sup> /litre @ 50 microns dft
Colour	As per RAL / BS shade cards
VOC "as supplied" (based on USEPA 24)	418 gms/ltr
Gloss level	Glossy

### APPLICATION DETAILS

#### Airless Spray:

The Thinner percentage may be varying depends upon the line and atmospheric conditions.

Tip Size: .38 - 0.48 mm (0.015 - 0.019 in)

Pressure: 130 - 160 kg/cm<sup>2</sup> (1800 – 2300 psi)

#### Conventional Spray:

This is also a suitable method of application. The Thinner percentage may be varying depends upon the line and atmospheric conditions.

Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in)

Pressure: 2.75 - 3.45 kg/cm<sup>2</sup> (40-50 psi)

#### Brush or Roller:

May be used for intricate shapes or small area or touch-up. However, additional coats may be required to achieve the recommended film thickness. This method of application is recommended for stripe coating welds, edges, rivets etc.

#### Drying Time

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Min.	Max.	
20°C	2 Hrs	16 Hrs	14 Hrs	Indef*	3 Hrs
30°C	1 Hour	8 Hrs	6 Hrs 30 Min 5 Hrs	Indef*	2 Hrs
40°C	40 Min	6 Hrs		Indef*	1 Hr

\*Indefinite

Where an "Indefinite" overcoating time is stated, the anticipated level of intercoat adhesion to be achieved. To obtain the drying time stated, it is important to maintain sufficient ventilation during application, drying and curing.

Properties	Value
No. of components	Two
Mixing ratio	3 parts Base to 1-part Hardener (by volume). Mix until to get homogeneous mix. Allow mixed paint to rest for several minutes before use to allow air bubbles to escape.
Application conditions	Do not apply this product if the relative humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point

## ADDITIONAL INFORMATION

Properties	Value
Thinner / Cleaning solvent	Solvalux 7-45/ Berger Tool cleaner
Storage instruction	Store in dry, shaded conditions away from sources of heat and ignition. Containers must be kept tightly closed and upright position.
Flash point	Mixed 30°C
Shelf life @ 23°C	For Base & Hardener 24 months from the date of manufacture

### Packing

Unit Size	Part A			Part B		
	Vol.	Pack	Weight (typical)	Vol.	Pack	Weight (typical)
20lt	15 lt	20 lt	21.45 kg	5 lt	2.5 lt	4.55
5lt	3.75lt	5 lt	5.36 kg	1.25lt	2 lt	1.14

## SURFACE PREPARATION

### Steel, Galvanised Metal:

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000. Oil or grease should be removed in accordance with SSPC-SP1

solvent cleaning. Always ensure maximum over coating time for the primer/ build coat has not been exceeded prior to application. The underlying system should be sound and undamaged.

Should always be applied over a recommended anti-corrosive coating scheme (Epilux or Zincanode or Epimastic range of undercoat products) or Intermediate coats (Epilux or Epimastic range).

### Aluminium, Copper:

- Pre treat with one coat of Luxaprime 1500 followed by one coat of Epilux range of primers. Then apply Epilux 4 Topcoat as specified.

### Concrete, Plaster, Brick, Sipores Blocks etc.:

- Apply 1 or 2 coats of Apcoflor Concrete Primer.
- Then apply Epilux 4 as specified.

## PRODUCT USE RESTRICTIONS

- This product is not suitable for use in immersed conditions.
- Do not apply this product if the pot life has been exceeded even if the paint still appears to liquid.
- Dry heat resistance up to 120°C.
- Contact Asian Paints Berger Representative for suggesting suitable paint system.

## SYSTEMS COMPATIBILITY

- The following mid coat/Under coat are recommended: Epilux and Epimastic series.
- For alternative system, consult Asian Paints Berger representative.

## SAFETY PRECAUTIONS

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire – blanket flames with foam, carbon dioxide or dry chemicals.
- Refer to SDS for further information.

## FIRST AID

- **Eyes:** In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
- **Skin:** Wash skin thoroughly with soap and water or approved industrial cleaner.
- **Do not use solvent or thinners.**
- **Inhalation:** Remove to fresh air, loosen collar and keep patient rested.
- **Ingestion:** In case of accidental ingestion, do not induce vomiting. Obtain immediate medical attention.

## DISCLAIMER

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.