

EPI LUX 750 HB

PROTECTIVE COATING

High-Build Epoxy Coating

PRODUCT DESCRIPTION

A two-component high solids epoxy coating designed to serve as primer, mid coat, finish coat or as single coat system. Providing excellent mechanical and anti-corrosive properties.

- Excellent abrasion resistance.
- Can be used as a single-coat system.
- Good resistance against mild chemicals.

DESIGNED USE

- As a general maintenance coating for onshore and offshore installations.
- As a chemically resistant coating for structural steelwork, manholes, drain cover, pipelines, refineries, power plants, bridges, buildings etc.
- Suitable as primer, mid coat and topcoat for corrosive environment systems as per ISO12944 Part 2.

PHYSICAL DATA

Properties	Value
Volume solids (Based on ASTM D 2697)	88 ± 2 %
DFT range	500-750 microns
Typical dry film thickness	500 microns
Equivalent wet film thickness	570 microns
Theoretical spreading rate	1.8 m ² /litre @ 500 microns DFT
Colour	Black & Grey
VOC "As Supplied" (Based on US-EPA 24)	130 gms/ltr
Gloss level	Low sheen

METHOD OF APPLICATION

Airless Spray:

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

Tip Size: 0.48 - 0.63 mm (0.019 - 0.025 in)

Pressure: 110 - 160 kg/cm² (1600 - 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/cm² (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	3 Hrs	14 Hrs	14 Hrs	7 Days	6 Hrs
30°C	2 Hrs	10 Hrs	10 Hrs	7 Days	4 Hrs
40°C	1 ½ Hrs	8 Hrs	8 Hrs	7 Days	2 Hrs

Properties	Value
No. of components	Two
Mixing ratio (by volume)	2 parts Base to 1 part Hardener Mix until to get homogeneous mix. No induction time is required. Spraying should commence as soon as base and hardener are properly mixed.

Properties	Value
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 29°C
Shelf life @ 23°C	For Base & Hardener 24 months from the date of manufacture

Packing

Unit Size	Part A		Part B	
	Vol.	Weight (typical)	Vol.	Weight (typical)
20 Lt	13.34 Lt	21.3 kg	6.66 Lt	8.9 Kg

*The weight may vary depending on the shade or color. Variations in packaging sizes and fill volumes may occur to meet specific operational or customer needs.

SURFACE PREPARATION

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.

Carbon steel: Abrasive blast clean to a minimum of Sa2½ (ISO 8501-1:2007) or SSPC-SP10. Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner. A surface profile of 40-70 microns is recommended. May be applied to surfaces prepared to Sa2 (ISO 8501-1:2007) or SSPC-SP6.

Concrete: Should be at least 28 days old or have a moisture content of less than 5% before proceeding with epoxy primer application. Laitance and deposits on new concrete surface are preferably removed by light grit/ shot blasting, mechanical scarifying or grinding to achieve an open textured surface.

Shop primed steel: Hand and power tool cleaning or abrade to roughen surface. Existing paint must attain a minimum 4A rating in accordance with ASTM D3359 "X-Cut" adhesion test.

PRODUCT USE RESTRICTIONS

- Epilux 750 HB will have delayed curing if temperature falls below 10°C.
- Dry heat resistant 120°C (Continuous) 140°C (Intermittent/ Peak).
- As common with all Epoxy products, this product also will tend to discolor and chalk on exposure to direct sunlight.

SYSTEMS COMPATIBILITY

- The following under coat are recommended: Epilux & Epimastic primers.
- The following Top coat are recommended: Luxathane 5160 and Robbiathane by volume
- The coating specifications given above are typical. For specific recommendations to suit individual applications, please consult Asian Paints Berger representative.

SAFETY PRECAUTIONS

- The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly.
- 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.
- This product contains liquid epoxies and modified polyamines and may cause skin sensitization if not used correctly.
- 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.