

# ShaliPrime<sup>®</sup> 2 E

2K Epoxy Primer for Concrete Surfaces



STP Limited

## Description

**ShaliPrime<sup>®</sup> 2 E** (Formerly known as ShaliPrime Epoxy HB LB) is two component penetrative epoxy based primer is suitable for priming concrete / metal surfaces, including walls, prior to the application of any Epoxy Flooring, Epoxy Coating and Epoxy Repair Mortar

## Characteristics

Adhesion to concrete	Excellent	Pot Life, Minutes	
Theoretical Coverage, m <sup>2</sup> / ltr *	6 - 7	• @ 20 °C	90
Flash Point	38 °C	• @ 30 °C	30
Moisture Insensitivity	Very Good	Application Temperature, °C	10 – 40

\* Depending upon surface condition.

## Application

- Used as primer on concrete / metal surface prior to the application of base coat / floor toppings like ShaliFloor 3 ES, ShaliFix EM, ShaliFloor SLTC 3 PU.

## Advantages

- Applied even on damp surfaces between 8 – 10% moisture.
- Facilitates better bonding. of Epoxy Floor Topping, Epoxy Screed and Epoxy Mortars with the substrate.
- Prevents air release from the porous substrate, which may otherwise cause bubbles in the final epoxy topping later.
- Seals porous surface to give quality finish.

## Application Methodology

### ➤ Surface Preparation

- Prepare the surface by mechanical grinding or other suitable method.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air. Remove old painting using surface grinder.
- Remove old painting using surface grinder.
- For best bond, concrete surface must be slightly textured.
- Allow it to dry before priming.
- Ensure that concrete must be cured at least 28 days and moisture content is below 5%.

### ➤ Material Preparation

- Mix **ShaliPrime<sup>®</sup> 2 E** component A (Resin) & B (Hardener) thoroughly by using speed drill mixer with a spiral type blade at the bottom of stirrer rod. The speed may be 1000 rpm till homogeneous mix is obtained. Then add component B (Resin) slowly, ensuring complete dispersion.
- After stirring, wait for the product to settle in order to let entrapped air escape.

### ➤ Application of Material

- Apply **ShaliPrime<sup>®</sup> 2 E** by brush / roller on primed surface.
- On porous surface **ShaliPrime<sup>®</sup> 2 E** will be absorbed very quickly, leaving characteristic light coloured dry patches. In such cases it is recommended that a second priming coat be applied on these dry areas. This not only helps to ensure good adhesion but also prevents air release from the porous substrate which may cause bubbles in the final epoxy topping later.

- Ensure primed surface is tacky before application. However, in case of self-leveling system or epoxy coating, ensure that **ShaliPrime 2 E** is allowed to dry for 6 - 8 hours or left overnight for drying.

### Limitations

- Do not apply **ShaliPrime® 2 E** on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply **ShaliPrime® 2 E** to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.

### Health & Safety

- Avoid swallowing and contact with skin / eyes.
- In the unlikely event of contact with skin, rinse with plenty of clean water and then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- If swallowed, seek medical attention immediately. Do not induce vomiting.
- Ensure adequate ventilation and avoid inhalation of vapours.
- Wear suitable protective clothing, gloves and eye protection during application.

### Packing

Available in 6 Kg unit pack consist of Comp. A - 4 kg and Comp B - 2 Kg.

### Storage

Store in a cool dry place, under shed, away from heat.

### Shelf Life

12 months in original unopened sealed condition.



**STP's Businesses**  
 Waterproofing & Insulation  
 Road Surfacing  
 Pipeline Coating  
 Protective / Anti-Corrosive Coating  
 GARA (Grouts & Admixtures)  
 Sealant & Adhesives  
 Repairs & Rehabilitation  
 Epoxy Flooring

