

# ShaliPrime<sup>®</sup> 2E

2K Epoxy Polyamide Cured Epoxy Primer-cum-Sealer Coat



STP Limited

## Description

**ShaliPrime<sup>®</sup> 2E** is two component, 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.

**ShaliPrime<sup>®</sup> 2E with different pot life can be supplied on request.**

**ShaliPrime<sup>®</sup> 2E** can also be used as a sealer coat.

## Characteristics

Property	Volume Solids	
	50%	75%
Adhesion to concrete	Excellent	Excellent
Theoretical Coverage*, kg / m <sup>2</sup> @ 60 Micron DFT	0.11 - 0.14	0.07 - 0.09
Drying time on metal, 30°C, hrs, • Touch dry • Hard dry	1 - 2 7 ± 1	4 - 5 7 ± 1
Over coating, hrs, minimum	8	8
Pot Life, Minutes @ 27°C, hrs.	4	2
Temperature resistant, intermittent, °C	120	120
Moisture Insensitivity	Very Good	Very Good
Application Temperature, °C	10 - 40	10 - 40
Flash Point, °C	38	38

\* Depending upon surface condition.

## Application

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

## 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, ironbrush 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.

### ➤ Material Preparation

- Mix **ShaliPrime<sup>®</sup> 2E** 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 200 - 400 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® 2E** by brush / roller on primed surface.
  - On porous surface **ShaliPrime® 2E** 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-levelingsystem or epoxy coating, ensure that **ShaliPrime® 2E** is allowed to dry for 6 - 8 hours or left overnight for drying.

### Limitations

- Do not apply **ShaliPrime® 2E** 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® 2E** 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 Limited**  
*Enhancing Structures' Life*

#### Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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