

ShaliFloor® SL 3EPU

3K Solventless Epoxy Polyurethane Self-levelling Topping System



STP Limited

Description

ShaliFloor SL 3EPU is a three component, solventless, epoxy polyurethane self-levelling pigmented topping system, which is laid at a thickness from 1 mm to 2 mm. **ShaliFloor 3EPU** provides monolithic, smooth, non-porous, hygienic, chemical resistant and easy to clean and maintain flooring. It has excellent flexibility & adhesive properties and is available in a number of colours.

Characteristics

Pot Life @ 27°C	30 - 40 mins.	Finish	Semi-Gloss
Application Temperature	Min. 15°C; Max. 30°C	Shore D Hardness ASTM D 2240	≥ 60
Surface Dry	3 - 4 hours	Abrasion Resistance, mg ASTM D 4060	0.1 - 0.15 mg / cycle weight loss
Drying Time	Hard Dry - Overnight Full Dry - 7 days*	Coverage	1.6 kg / 1 mm thickness
Compressive Strength, N / mm ²	25	Tensile Adhesion, N / mm ²	1.5

* Depending upon ambient condition.

Application

- Industrial floors where hygiene and high abrasion is required
- Pharmaceutical Industry
- Food and Dairy Plant Flooring
- Hospital Floors
- Engineering and automobile industry shop

Advantages

- Excellent self-levelling properties
- Very hard impact and abrasion resistant
- Excellent flexibility
- Good abrasion resistance
- Resistance to chemicals oils and water
- Creates jointless, easy to clean surface
- Dustproof finish
- Available in wide range of colours

Application Methodology

➤ Surface Preparation

- Ensure that concrete surface is sound, even, firm and 28 days cured. Moisture content should not exceed 5%. The grade of the concrete should not be less than M25.
- Ensure that the surface is sound and free from dust, laitance and other contaminants.
- Remove oil / grease by washing with liquid detergent, followed by acid wash or by burning.
- Remove dust, flakes, or other foreign particles by jet or dry air and clean the surface mechanically by scarifying or by grinding to make it smooth before application.
- Remove any lime, distempers or acrylic coating prior to applying **ShaliFloor SL 3EPU** by surface grinder.
- Do not apply **ShaliFloor SL 3EPU** over treated expansion joints.
- Treat control joint and construction joint with **ShaliFix EM** mortar.
- Cut open the concrete floor at ends near to door entrances, around trenches and gutters etc. around 10 mm deep and 10 mm wide to accommodate blade and anchor **ShaliFloor SL 3EPU**.
- Make concrete surface textured by scarifying / shot blasting.

➤ Material Preparation

- Mix Component A and Component B in ratio of 2:1 of **ShaliPrime 2E** (Primer) and apply on the cleaned and prepared surface by brush or by roller to form a thin continuous film @ 200 gm / m² and allow it to dry for 6 - 8 hrs.
- Stir Component A and Component C of **ShaliFloor SL 3EPU** separately with a hand drill type spiral stirrer. Mix **ShaliFloor SL 3EPU** thoroughly with help of drill mixer till homogenous mixed is obtained. Then add Component B slowly, ensuring complete dispersion after adding Comp B. Mix for 5 - 10 minutes.

➤ Application of Material

- Lay **ShaliFloor SL 3EPU** after mixing. Spread mix evenly over recommended area using a steel trowel with notches. The notch of the trowel should be double the thickness of the **ShaliFloor SL 3EPU** coating.
- Anchor **ShaliFloor SL 3EPU** near walls, around columns / foundations and at edges of trenches / cutters / bays and expansion joints.
- Use spike roller with long handle on applied **ShaliFloor SL 3EPU** to remove entrapped air.
- Ensure that the spike roller is not applied too long to leave any permanent indentation on surface.

Cleaning

Clean all the tools and application equipment with **STP Thinner** immediately after use. Hardened or cured material can only be mechanically removed.

Health & Safety

- The product should not come in contact with the skin and eyes, or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins, hardeners and solvents.
- Wear suitable protective clothing, gloves and eye protection.
- 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.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting

Packing

Available in pre-packed system of 26 kgs.

Storage

Store in a cool dry place under shed away from heat above 5°C and away from direct sunlight.

Shelf Life

12 months in original unopened sealed condition.



- 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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