

ShaliFloor® SL UL 3 ES



3K Epoxy Self-Leveling Underlay Epoxy Screed

STP Limited

Description

ShaliFloor® SL UL 3 ES (Formerly known as ShaliScreed SL UL) is pre-weighed self-leveling epoxy underlay screed floor coating system. It is three component epoxy system with selected aggregates and epoxy resins. **ShaliFloor® SL UL 3 ES** provides a hard, semi-smooth, impervious and easy to clean surface. **ShaliFloor® SL UL 3 ES** has excellent adhesion and provides good abrasion resistance on floors. It can be coated with any epoxy coatings, self-leveling system or Polyurethane coatings. It is most economical method of floor system prior to applying epoxy screed toppings or coatings.

Characteristics

Theoretical Coverage, per 37 kg *	10 m ² @ 2 mm	Curing Time, @ 30 °C	
Approximate Pot Life, Minutes		• Foot Traffic, hrs	24
• 35 °C	20	• Vehicular Traffic, hrs	48
• 20 °C	45	• Full Cure, days	7
Mixed density, grm / cc	Approx 1.8	Shore Hardness	70 - 80
Flexural Strength @ 30 °C, N / mm ² . 7 days	21	Compressive Strength @ 30 °C, N / mm ² . 7 days	56
Adhesion Strength, N/mm ² . 7 days	> .5	Shrinkage	NIL

* Depending upon surface condition.

Application

- Leveling floor prior to application of epoxy screed, epoxy topping and coating.
- May be used over various substrates like cement, Kota stone, marble etc. particularly in Laboratories, Assembly Units, Pharmaceuticals, Automobile and other manufacturing units.

Advantages

- Cost effective, hygienic, easy to clean and economical.
- Good chemical resistance to wide range of chemicals.
- Quick and easy to apply.
- Seamless and durable.
- High strength.

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.
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- For best bond, concrete surface must be slightly textured.
- Allow it to dry before priming.

➤ Material Preparation

- Mix **ShaliFloor® SL US 3 ES** component A (Resin) & C (Filler) 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

- Prime concrete surface with ShaliPrime 2E and allow it to dry for 6 – 8 hrs till it is touch dry.
- Lay **ShaliFloor® SL UL 3 ES** after mixing is over. Spread mix evenly over recommended area using a steel trowel with notches.
- Anchor **ShaliFloor® SL UL 3 ES** 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 UL 3 ES** to remove entrapped air. Ensure that the spike roller is not applied too long to leave any permanent indentation on surface.

Limitations

- Do not apply **ShaliFloor® SL UL 3 ES** on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply **ShaliFloor® SL UL 3 ES** to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.
- Do not install **ShaliFloor® SL UL 3 ES** at temperature < 10 °C or > 45 °C.
- Do not apply **ShaliFloor® SL UL 3 ES** over treated expansion joints. Treat expansion joints with ShaliSeal PS.
- In common with all epoxy material, some light shed may fade in the long term, when place in adverse exposed condition. Such changes, if any, are normal and have no effect of performance of **ShaliFloor® SL UL 3 ES**.

Cleaning & Maintenance

- Clean all tools immediately after use with xylene. Do not allow material to harden.
- Service life of a floor will be considerably extended by good housekeeping. Regular cleaning may be carried out using a rotary scrubbing machine with a warm miscible cleaning agent at temperature up to 50 °C.

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 37 kg composite packs.

Storage

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

Shelf Life

12 months in original unopened sealed conditions.



Advisory Cell
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