

ShaliScreed SL UL

Three Components Epoxy Self-Leveling Underlay Screed Floor Coating



Description

ShaliScreed SL UL is self-levelling epoxy underlay screed floor coating material. It is three component epoxy system with selected aggregates. **ShaliScreed SL UL** has excellent adhesion and provides good abrasion resistance on floors. It can be coated with any epoxy coatings, self – levelling system or Polyurethane coatings. It is most economical method of floor system prior to applying epoxy screed toppings or coatings such as **ShaliPoxy SLC**, **ShaliPoxy FC** and **ShaliDeck SL**.

Characteristics

Coverage, per 14 Kg	4 Sq.M, 2 mm thick	Curing Time, Hrs	
Pot Life, 30 °C	40 - 50	• Foot Traffic	24
Shrinkage	Nil	• Vehicle Traffic	3
		• Full Cure	7
Tensile Strength, n/mm ²	12	Compress Strength, n/mm ²	60 - 70

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.

Advantages

- Cost effective and economical
- Quick and easy to apply
- Seamless and durable.
- High strength.

Application Methodology

- Ensure that concrete surface is sound, even, firm and 28 days cured with moisture content not exceeding 5%.
- 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 or by grinding to make it smooth before application.
- Remove any lime, distempers or acrylic coating prior to applying **ShaliScreed SL UL** by surface grinder.
- Do not apply **ShaliScreed SL UL** over treated expansion joints. Treat expansion joints with **ShaliSeal PS**.
- Treat control joint and construction joint **Shalimar 456** 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 **ShaliScreed SL UL**.
- Make concrete surface textured by Scarifying / Shot Blasting.
- Apply **ShaliPrime Epoxy** on a bone dry surface in a thin continuous film to the cleaned and prepared surface @ 250 Gms / Sq M and allow it to thoroughly dry. Mix component A and component B of **ShaliPrime Epoxy** and apply by brush or roller.
- Allow primer to dry for 6 – 8 hrs till it is touch dry.
- Stir component A and C of **ShaliScreed SL UL** separately with a hand drill type spiral stirrer. Mix **ShaliScreed SL UL** thoroughly with help of drill mixer till homogenous mixed is obtained. Then

add Component B slowly, ensuring complete dispersion after adding Component B. Mix for 5 – 10 minutes.

- Lay **ShaliDeck SL** after mixing is over. Spread mix evenly over recommended area using a steel trowel with notches.
- Anchor **ShaliScreed SL UL** near walls, around columns / foundations and at edges of trenches / cutters / bays and expansion joints.
- Use spike roller with long handle on applied **ShaliScreed SL UL** 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 **ShaliScreed SL UL** on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply **ShaliScreed SL UL** 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 **ShaliScreed SL UL** at temperature < 10 °C or > 45 °C.
- In common with all epoxy material some light shed may fade in the long term, when placed in adverse exposed condition. Such changes, if any, are normal and have no effect on performance of **ShaliScreed SL UL**.

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

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. Do not use solvent to clean the contacted area.
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 14 Kgs Container consisting of Components A, B and C.

Storage

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

Shelf Life

6 months in original unopened sealed conditions.