



PolyScreed SL UL 3K

Three Component Epoxy Self Leveling Underlay Screed Floor Coating

DESCRIPTION

PolyScreed SLUL is self leveling epoxy underlay screed floor coating material. It is three component epoxy system with selected aggregates. PolyScreed SLUL 3K provides a hard, smooth, impervious and easy to clean surface and has excellent adhesion and provides good abrasion resistance on floors. It can be coated with any epoxy coating, self leveling system or polyurethane coating. It is most economical method of floor system prior to applying epoxy screed toppings or coatings.

TECHNICAL DATA

Pot Life at 30 °C	40 – 50 minutes	Shore Hardness	70 - 80
Tensile Strength, 7 days	10 - 14 N/mm ²	Compressive Strength, 7 days	51 - 61 N/mm ²
Curing Time Foot Traffic	24 hrs	Coverage, per 37 kg	10 sqm for 2 mm
Vehicle Traffic	48 hrs	Shrinkage	Nil
Full Cure	7 days		

APPLICATIONS

- Leveling floor prior to application of epoxy screed, epoxy topping and coating
- May be used over various substrates like cement, kota stone and marble etc.

ADVANTAGES

- Cost effective, economical, quick and easy to apply
- Seamless and durable
- High strength

APPLICATION METHODOLOGY

- Ensure that concrete surface is sound, firm, free from dust, laitance and 28 days cured. Moisture content should not be exceed 5% before proceeding with epoxy application
- Remove all 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 PolyScreed SLUL 3K by surface grinder
- Do not apply PolyScreed SLUL 3K over treated expansion joints. Treat expansion joints with PolySeal PS
- Treat control joint and construction joint with Polygon 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 PolyScreed SL UL 3K
- Make concrete surface textured by scarifying/shot blasting
- Apply PolyPrime Epoxy on a bone dry surface in a thin continuous film to the cleaned and prepared surface at 250 gms/sqm and allow it to thoroughly dry for 6 – 8 hrs till touch dry. Mix component A and component B of PolyPrime Epoxy and apply by brush or roller.
- Stir component A and C of PolyScreed SL UL 3K separately with a hand drill type spiral stirrer. Mix PolyScreed SL UL 3K thoroughly with the 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 PolyScreed SL UL 3K after mixing is over. Spread mix evenly over recommended area using a steel trowel with notches.
- Anchor PolyScreed SLUL 3K near walls, around columns/ foundations and at edges of trenches / gutters / bays and expansion joints
- Use spike roller with long handle on applied PolyScreed SL UL 3K to remove entrapped air. Ensure that the spike roller is not applied too long to leave any permanent indentation on surface.

LIMITATION

- Do not apply PolyScreed SL UL 3K on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75%
- Do not apply PolyScreed SL UL 3K 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 apply PolyScreed SL UL 3K at temperature < 10 °C or > 45 °C



- In common with all epoxy material some shades may fade in the long term, when exposed to adverse conditions. Such changes, if any, are normal and have no effect of performance of PolyScreed SL UL 3K.

CLEANING AND MAINTENCE

- Clean all tools immediately after use with xylene. Do not allow material to harden
- Service life of 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 AND SAFETY

- Use mask, nose cover and hand gloves during application
- Clean hands with soap after application
- The product should not come in contact with the skin and eyes.
- Avoid contact with skin / eye. In case of unlikely contact with skin / eyes, rinse immediately with plenty of clean water, then clean 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.

PACKAGING

Available in 37 kgs composite packs.

STORAGE

Must be stored in original packing at ambient temperature, dry place under shed away from heat.

SHELF LIFE

If stored in original unopened sealed under the above conditions, it has a shelf life of 12 months.