

ShaliFloor® SL T 3 ES



3K Self Leveling Transparent Screed Floor Coating

STP Limited

Description

ShaliFloor® SL T 3 ES (Formerly known as ShaliScreed SL T) is self levelling three component transparent screed epoxy flooring with graded multi-colored aggregates for use where higher strength and toughness is needed apart from the leveled surface. **ShaliFloor® SL T 3 ES** has excellent adhesion and provides good abrasion resistance on floors with heavy duty traffic. **ShaliFloor® SL T 3 ES** is applied in thickness from 3 mm to 5 mm.

Characteristics

Strength, N/MM ²		Curing Time, hrs	
• Compressive	60 – 70	• Foot Traffic	24
• Flexural	25	• Vehicle Traffic	72
• Tensile	8	• Full Cure	7
• Bonding	3	Theoretical Coverage, per 14 kg *	2 m ² 4 mm thick
Pot Life, Minutes, 30 °C	40 - 50	Shrinkage	Nil

* Depending upon surface condition.

Application

- Power houses.
- Bottling plants.
- Pharmaceutical Industries / Hospitals.
- Electronic Industries.
- Call centers.
- Biological laboratories.
- Oil rigs.

Advantages

- Quick and easy to lay.
- 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 T 3 ES** 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 1000 rpm till homogeneous mix is obtained. Then add component C (Filler) slowly, ensuring complete dispersion. After all of component C has been added, mix for a minimum of 5 to 10 minutes.
- 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 T 3 ES** after mixing is over. Spread mix evenly over recommended area using a steel trowel with notches.
- Anchor **ShaliFloor® SL T 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 T 3 ES** to remove entrapped air. Ensure that the spike roller is not applied too long to leave any permanent indentation on surface.
- When applied over steel surfaces, underlayment of ShaliFix RM C is must. Thickness of ShaliFix RM C should be maintained minimum of 5 mm. For application methodology of ShaliFix RM C, refer to TDS of ShaliFix RM C.
- Compact the material by tamping with a wooden float. Finish off by trowelling with steel trowel to a smooth finish.

Limitations

- Do not apply **ShaliFloor® SL T 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 T 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 T 3 ES** at temperature < 10 °C or > 45 °C.
- In common with all epoxy material some light shed may fake 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 T 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 contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in a 14 kg carton consisting of component A, B and C.

Storage

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

Shelf Life

12 months in original unopened sealed condition.



Advisory Cell
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