



PolyScreed SL T 3K

Three Component Self Leveling Transparent Screed Floor Coating

DESCRIPTION

PolyScreed SL T 3K is self leveling three component transparent screed epoxy floor coating with graded multi colored aggregates for use where higher strength and toughness is needed apart from the leveled surface. PolyScreed SL T 3K has excellent adhesion and provides good abrasion resistance on floors with heavy duty traffic. PolyScreed SL T 3K is applied in thickness from 3 mm to 3 mm.

TECHNICAL DATA

Pot Life at 30 °C	40 – 50 minutes	Shrinkage	Nil
Compressive Strength	60 – 70 N/mm ²	Flexural Strength	22 - 28 N/mm ²
Tensile Strength	7 - 9 N/mm ²	Bond Strength	2 - 4 N/mm ²
Elongation at break, %	7 - 9	Shrinkage	Nil
Curing Time at 30 °C		Coverage, per 14 kg	2 m ² for 4 mm thickness
Foot Traffic	24 hrs		
Vehicle Traffic	72 hrs		
Full Cure	7 days		

APPLICATIONS

- 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

- Ensure that concrete surface is sound, firm, free from dust, laitance and 28 days cured. Moisture content should not be exceed 5% before proceeding 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 SLT 3K by surface grinder
- Do not apply PolyScreed SLT 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 around 10 mm deep and 10 mm wide to accommodate blade and anchor PolyScreed SL T
- Make concrete surface textured by applying emery paper
- 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 T 3K separately with a hand drill type spiral stirrer. Mix PolyScreed SL T 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 T 3K after mixing is over. Spread mix evenly over recommended area using a steel trowel with notches.
- Anchor PolyScreed SL T 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 T 3K 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 PolyScreed C is must. Thickness of concrete coat should be maintained minimum of 5 mm. For application methodology of concrete coat, refer to TDS of PolyScreed C
- Compact the material by tamping with a wooden float. Finish off by toweling with steel trowel to a smooth finish.



LIMITATION

- Do not apply PolyScreed SL T 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 T to asphalt, weak or infirm concrete, unmodified sand / cement / screeds, PVC tiles or sheets or substrates known to movement
- Do not apply PolyScreed SL T at temperature $< 10^{\circ}\text{C}$ or $> 45^{\circ}\text{C}$
- 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 T 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 14 kgs box consisting of Component A, B & C.

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.

