



PolyScreed SL AS 3K

Three Component Self Leveling Anti Static Epoxy Floor Coating

DESCRIPTION

PolyScreed SL AS 3K is a multilayer system comprising of PolyPrime AS, PolyScreed SL AS 3K both base coat and top coat. The total system gives a thickness of 3 – 5 mm with anti static properties.

TECHNICAL DATA

Pot Life at 30 °C For Base Coat For Top Coat	30 – 40 minutes 40 – 50 minutes	Surface Resistivity	$N \times 10^6$ to $N \times 10^9 \Omega$ (Where N = 1,2, 3...)
		Static Decay Test	0.03 second
Curing Time at 30 °C Foot Traffic Full Cure	24 hrs 7 days	Theoretical Coverage PolyScreed SL AS Putty PolyPrime AS PolyScreed SL AS Base Coat PolyScreed SL AS Top Coat	100 gms/rm 250 gms/m ² 1.4 kg/m ² 3.5 kg/m ²

APPLICATIONS

- Hospitals and operation theaters
- Electronic assembly areas
- Central panel room in processing plants
- Measurement tests and control areas

ADVANTAGES

- Resists build up of static electricity
- Resists chemicals
- Seamless, dense surface which is easy to cleanable and hygienic
- Monolithic and joint less floor



APPLICATION METHODOLOGY

- PolyScreed SL AS 3K should be applied only if the moisture content of the floor is below 5% before application. When applied over concrete surface must be sound, free from dust, laitance, other contaminants and 28 days cured. Use of surface grinders/scarifiers/shot blasting is recommended in case of old floors. Copper wire or copper strip may be used depending upon the availability and suitability of the site.
- **Groove Cutting and laying of copper wire:** Cut the groove in the size of 5 mm width and 10 mm depth at a distance of 1 mtr x 1 mtr lengthwise and breadth wise. At the periphery, near the wall, a distance of 6 inches should be maintained for cutting the groove. At any one end, the groove to be extended to facilitate the earthing connection, then insert the copper wire into the groove and fill the groove with PolyScreed SL AS putty and allow the putty to dry. After drying, grind the excessive dried putty with grinder as to level the surface.
- Clean the surface well and ensure that the surface is free from dust prior to application of PolyPrime AS.
- **Laying of Copper Strip:** Remove the butter paper and expose the adhesive of the copper strip. Stick the self adhesive copper strip on the clean concrete substrate at a distance of 1 mtr to each other, lengthwise and breadth wise. At the periphery, near to the walls, stick the self adhesive copper strip at a distance of 6 inches from the walls. At any one end in the room, copper strip should be extended out for connection of earthing.
- **Priming:** Use PolyPrime AS for priming. It is imperative that the contents of the two components are thoroughly premixed prior to mixing together. Mix slowly using a slow speed drill and paddle for at least 4 minutes, scrape down the sides to ensure the complete mixing.
- **Base Coat:** A three component self leveling system which is natural black in colour, base coat should be applied after drying 6 – 8 hrs from the application of the PolyPrime AS.
- **Top Coat:** A three component self leveling system. It is available in range of colours. (Technically department to be connected for colour availability). Top coat to be applied after drying of base coat. A gap of at least 12 hrs should be maintained for application of top coat. Roughening the surface of dried base coat by using emery paper is recommended for better bonding of the top coat with the base coat. Before application of top coat the surface should be cleaned and ensure that the surface free from dust particles.
- Mixing and application methodology for top coat and base coat remains common as equal to a normal self leveling system.



LIMITATION

- Do not apply PolyScreed SL AS 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 AS 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
- There may be changes in shaded of PolyScreed SL AS 3K if exposed. Besides, it is normal to experience fading in colour of light sheds when exposed to adverse conditions.

CLEANING

- 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 AND SAFETY

- Use mask, nose cover and hand gloves during application and clean hands with soap after application. Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins and solvents
- 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 carton consisting of Putty 20 kgs, Primer 10 kgs (two components), Base coat 15 kgs (Three Components) and Top Coat 20 kgs (three components).

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.

