

ShaliFloor SL UL 3 EC

3K Epoxy Cementitious Self Leveling Underlay



STP Limited

Description

ShaliFloor SL UL 3 EC (Formerly known as ShaliCem Floor) is a self levelling epoxy-cement composite underlayment flooring material for use where exceptional strength and toughness is needed and where the flooring has to be laid on damp surface. It is a three component water based epoxy system with selected cementitious components. **ShaliFloor SL UL 3 EC** has excellent adhesion and provides good abrasion resistance.

Characteristics

Theoretical Coverage *	4 m ² / 14 kg / 2 mm thick	Pot Life, Minute, 30 °C	40 - 50
		Compressive Strength, N / mm ²	40 – 50
Curing Time <ul style="list-style-type: none">• Foot Traffic• Full Cure	After 24 hrs After 7 Days	Flexural Strength, N / mm ²	10
		Tensile Strength, N / mm ²	5
		Bond strength to concrete, N / mm ²	3.0
Colour	Natural Grey	Shrinkage Factor	Negligible

* Depending upon surface condition.

Application

- Paper Mill.
- Dairies & Breweries.
- Fertilizers Plants.
- Petro Chemical industries.
- Automobile plant.
- Power house.
- Bottling plants.

Advantage

- Ideally suitable where the sub flooring damp or expected to contain moisture.
- Jointless monolithic flooring.
- Excellent bond to concrete.
- Extremely high early strength.
- Good resistance to chemicals.
- Easy to apply and can act as underlayment for any epoxy coating or flooring.

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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- Ensure that –
 - * Minimum age of concrete is 3 days
 - * Moisture content will be upto 8%
 - * Temperature should be between 10 – 30 °C.
 - * Maximum gradient of the floor is 5%.

➤ **Material Preparation**

- Mix **ShaliFloor SL UL 3 EC** component A (Resin) & C (Filler) 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 B (Hardener) 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**

- **ShaliFloor SL UL 3 EC** is self-priming and does not require any primer. However, it is advisable to apply **ShaliFloor SL UL 3 EC** as primer in case of old surface.
- Allow it to dry for 6 – 24 hrs.
- Wet the surface before apply of **ShaliFloor SL UL 3 EC**. Standing water, if any, should be removed.
- Spread the mixed material by notch trowel to get a required thickness. Apply the spike rollers to remove the entrapped air bubbles. Ensure that the spike is not applied too long to leave a permanent indentations on the surface.
- Apply any further coating or topping after 72 hrs.

Health and Safety

- Use goggles and hand gloves during application.
- Clean hands with warm soap water after application.

Packing

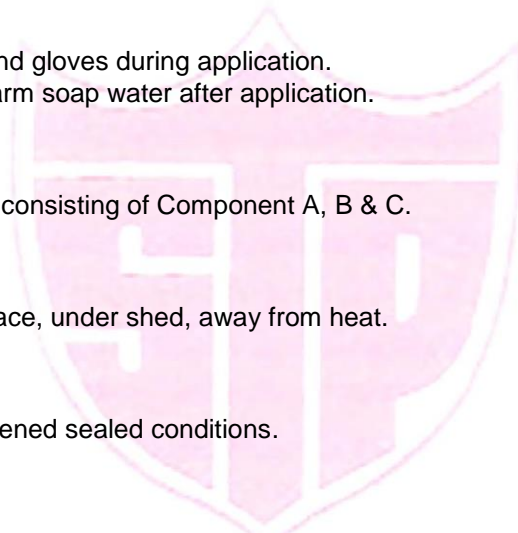
Available in 14 Kg carton consisting of Component A, B & C.

Storage

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

Shelf Life

12 month in original unopened sealed conditions.





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