

ShaliFloor SL UL 3 EC

3K Epoxy Cementitious Self Leveling Underlay



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 *	4.5 kg / m ² @ 2 mm	Pot Life, minute, 27°C	10 - 15
Curing Time <ul style="list-style-type: none">• Foot Traffic• Full Cure	After 24 hrs After 28 days	Compressive Strength, N / mm ²	40 - 50
		Flexural Strength, N / mm ²	7 - 12
		Tensile Strength, N / mm ²	5
Colour	Off White	Bond strength to concrete, N / mm ²	7
Overcoating Interval, hrs.	24 @ 27°C	Recommended DFT, mm	1.5 to 3

* 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 2 weeks
 - * Temperature should be between 15 - 35°C
 - * Maximum gradient of the floor is 5%
 - * Minimum strength of concrete should be M25 Grade
 - * Minimum pull-off strength of concrete 1.5 N / mm²
 - * Should be top coated only after moisture content is < 4%

➤ 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

- Before laying of **ShaliFloor SL UL 3 EC** apply a two-component primer **ShaliPrime 2EC** at 300 grams per square meter and allow it to dry for 4 - 6 hrs.
- Stir the Base of **ShaliFloor SL UL 3 EC** using a slow speed hand mixer. Subsequently add Part B and stir thoroughly with a mixer (200 rpm) for 1 minute. Add Part C in the mix and stir well in order to get a homogeneous mix that is free from lumps.
- 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 indentation on the surface. Do not put additional water.

Health and Safety

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

Packing

Available in 20 kg carton consisting of Component A, B & C.

Storage

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

Shelf Life

9 months in original unopened sealed conditions.



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