

ShaliFloor SL UL 3EC

Three Component Epoxy Cement Self Leveling Underlay



STP Limited

Description

ShaliFloor SL UL 3EC (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 3EC** 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

- Ensure that the surface is sound, free from dust, laitance and other contaminants.
- Prepare surface by mechanical abrasion and ensure slight texturing for better bonding.
- Remove all oil, grease by washing with liquid detergent followed by acid wash.
- 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%.
- ShaliCem Floor is self-priming and does not require any primer. However, it is advisable to apply ShaliCem Coat as primer in case of old surface, and allow it to dry for 6 – 24 hrs.
- Wet the surface before apply of **ShaliFloor SL UL 3EC**. Standing water, if any, should be removed.

- Mix Component A (Resin) and Component C (Filler) thoroughly by using a drill mixer till a homogenous mix is obtained. Then add Component B (Hardner) slowly to ensure complete dispersion. After all of component B has been added, mix for a minimum 5 – 10 minutes.
- 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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