



## **PolyCem Floor SL UL 3K**

Three Component Cementitious Epoxy Self Leveling Underlay Flooring

### **DESCRIPTION**

PolyCem Floor SL UL 3K is a self leveling 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. PolyCem Floor SL UL 3K has excellent adhesion and provides good abrasion resistance.

### **TECHNICAL DATA**

Pot Life at 30 °C	40 – 50 minutes	Colour	Natural Grey
Shrinkage Factor	Negligible	Coverage	4 m <sup>2</sup> /14 kg/2 mm thick
Compressive Strength	40 – 50 N/mm <sup>2</sup>	Flexural Strength	9 - 11 N/mm <sup>2</sup>
Tensile Strength	4 - 6 N/mm <sup>2</sup>	Bond Strength	2 - 4 N/mm <sup>2</sup>
<b>Curing Time</b>			
Foot Traffic	After 24 hrs	Full Cure	After 7 days

### **APPLICATIONS**

- Paper mill
- Dairies and breweries
- Fertilizers plants
- Petro chemical industries
- Automobile plant
- Power house
- Bottling plants

### **ADVANTAGES**

- 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 surface is sound, free from dust, laitance and other contaminants
- Prepare 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%
- Substrate temperature will be 40 °C
- Maximum gradient of the floor is 5%
- PolyCem Floor SLUL 3K is self priming and does not require any primer. However, it is advisable to apply PolyCem coat as primer in case of old surface, and allow it to dry for 6 – 24 hours
- Wet the surface before apply of PolyCem Floor SL UL 3K. Standing water, if any, should be removed
- Spread the mixed material bt 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 hours.

## **HEALTH AND SAFETY**

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

## **PACKAGING**

Available in 14 kgs carton 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.