

# **JKPROFIX**

**TRUSTED BY EXPERTS**



**Technical Data Sheet**  
**Universal Repairing Product**



## Universal Repairing Product

### SBR LATEX FOR NEW WATERPROOFING AND REPAIRS

JKPROFIX Universal Repairing Product - SBR is based on modified Styrene Butadiene Rubber emulsion. It has multiple applications such as bonding agent for old concrete to new concrete, adhesive mortar for tiles, heavy duty floor topping, repair mortar, injection grouting, cement slurry for waterproofing of rooms, toilets, terraces etc. It reduces shrinkage, prevents cracking, dust pick up and improves abrasion resistance.



### Usage

- For waterproofing of small roof terraces, sunken portions, toilets & bathrooms, overhanging roof coverings, balconies and staircases.
- As a bond coat for new to old concrete, masonry stone work, plastering.
- For repairs of spalled concrete floors, RCC members, beams, overhanging roof coverings, parapets etc.
- For weatherproof and frost resistant external renders.
- For fixing or re-fixing of slip bricks, tiles, stones & marble bedding.
- To produce high strength polymer floor topping and thin section screeds.



## Key Benefits and Features

- Universal repairing product, economical, compatible and faster mixing, easy to use.
- Bonds strongly to concrete, masonry, stonework, plasters, cementitious surfaces.
- Improves abrasion resistance of cement mix.
- Reduces drying and aging shrinkage cracks by improving flexural strength.
- Improves flexibility, low water-cement ratio and resistance to water penetration.
- Improves hardness and prevents dust generation.
- Prevents corrosion of reinforcing materials.
- Reduces viscosity of cement injection grout for better fluidity & bonding.

\*Consult with JKPROFIX Technical Team for support.

## Typical Properties

Appearance: Milky white liquid.

Base: SBR (Styrene Butadiene Rubber) Latex.

## Dosage

- As a waterproofing coating – Mix proportion by weight 1 : 2 (JKPROFIX Universal Repairing Product-SBR : Cement).
- As a bonding agent - Mix Proportion by weight; 1 : 1.5 : 1.5 (JKPROFIX Universal Repairing Product-SBR : Cement : Fine Sand).
- As a repair mortar - Mix Proportion by weight; (1+ water) : 2.8 : 7 (JKPROFIX Universal Repairing Product-SBR : Cement : Zone II Sand).

## Application Method

### 1. Surface Preparation

Clean the surface with wire brush or scrubber to remove dirt, loose concrete, rust scale, mould oils or curing compounds etc. Degrease the surface by using suitable solvents. Repair the spalled concrete portion by saw cutting the extreme edges of repair location to depth of at least 10mm to provide enhanced bond. Saturate the surface with potable water and remove excess water prior to priming.

### 2. Mixing and Application

Mixing is recommended with a forced action mixer (PAN Mixer) & ensure that JKPROFIX Universal Repairing Product-SBR is mixed thoroughly in the mortar. For quantity upto 25 Kg, hand mixing is permissible. Charge the mixer with required quantity of clean & dry sand or coarse aggregates as needed and cement to mix for 1 - 2 minutes, then add the recommended dosage of JKPROFIX Universal Repairing Product-SBR dispensed in water which is pre-batched. Mix for 2-3 minutes to avoid air entrapment. Continue addition of water until the required consistency is achieved.

### 2a. Waterproofing Coating

Mix JKPROFIX Universal Repairing Product-SBR and Cement homogeneously in ratio of 1:2 by weight. Mix for 2-3 minutes to avoid air entrapping. Keep on adding cement to JKPROFIX Universal Repairing Product-SBR slowly until required consistency is achieved. Brush apply 2 coats of the mix in span of 4-6 hours on the prepared concrete surface.

Overlay the coating with protective screed to desired slope and thickness.

### 2b. Bond Coat

Mix JKPROFIX Universal Repairing Product-SBR, Cement and Fine Sand homogeneously in ratio of 1 : 1.5 : 1.5 by weight. Brush apply 1 continuous coat of the mix on prepared damp concrete surface. Overlay the mortar/ render/ screed on it when bond coat is still tacky.

### 2c. Repair Mortars and Renders

Mix design - Portland Cement: 2.8 Kg, Zone II Sand: 7 Kg, JKPROFIX Universal Repairing Product-SBR: 1 Kg and Water.

### 2d. Heavy Duty Floor Topping

Mix design - Portland Cement: 3 Kg, Zone II Sand: 5 Kg + 1 Kg metallic floor hardener, JKPROFIX Universal Repairing Product-SBR: 1 Kg and Water Quantity of water as desired topping thickness.

## Coverage

Coverage Table Type of System	GUIDELINES FOR CONSUMPTION / COVERING CAPACITY				
	Cement (Kg)	Sand (Kg)	JKPROFIX Universal Repairing Product - SBR (Kg)	Typical yield (Litre)	Typical Coverage in m <sup>2</sup>
Bond coat	1.5	1.50 (fine sand)	1	2	1 - 1.5 m <sup>2</sup> / coat
Cement slurry as waterproof	2	-	1	1.5	2 - 2.5 m <sup>2</sup> / 2 coats
Repair mortar within 12mm depth thickness	2.8	7 (Zone II)	1 + water	5.5	1.0 m <sup>2</sup> / 5.5 mm thick layer
Adhesive mortar for tiles, slip bricks fixing etc.	3	6 (Zone IV)	1 + water	5	1.5m <sup>2</sup> / 3mm thick bed
Heavy duty floor topping	3	5+1 part metallic floor hardener	1 + water	5	0.5m <sup>2</sup> / 8 mm thick bed
Quick setting mortar during winter work for rapid repair/tile fixing	3	6 (Zone IV)	1 + water	5	1.5 m <sup>2</sup> / 3mm thick bed

## Technical Information

S. No.	Test Property	Typical Value
1	Non volatile matter	35 – 39%
2	pH value	7 to 9
3	Sp. Gravity @ 25°C	1.02 ± 0.02

## Precautions/ Limitations

- Recommended dosage to be followed to achieve desired results.
- When working in hot temperature conditions, extra water may be added to the repair mortar to compensate for the evaporation loss & make the mortar workable.
- Do not use JKPROFIX Universal Repairing Product-SBR alone without adding cement.
- Minimum application temperatures 5°C. Curing after 10 hrs is required as normally done for cement materials.
- Freshly applied surfaces should be protected from rain and other adverse conditions. Rapid drying out of the coating should be prevented.
- Stagnant water should be strictly avoided during and after application until curing.
- In the event of spills, contain spillage using sand or earth.
- Keep out of reach of children and away from eatables.

## Safety

- Wear suitable protective clothing, gloves, goggles and respiratory equipment during application.
- In case of contact with skin and eyes, wash with plenty of water and seek medical advice.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Keep out of reach of children.

## Packing

200 g, 500 g, 1 Kg, 5 Kg, 10 Kg, 20 Kg, 50 Kg

## Shelf Life

18 months from the date of manufacturing, when stored in a dry and covered place.





**Registered Office :** Kamla Tower, Kanpur - 208001  
Ph. : 0512-2371478-85, Fax : 0512-2399854 E-mail : admin@jkcement.com

**Corporate Office :** Prism Tower, 5<sup>th</sup> Floor, Ninaniya Estate, Gwal Pahari,  
Gurugram - 122102, Haryana Tel : +(91)124-6919000

**Website :** www.jkcement.com **Toll Free No. :** 1800 102 8868  
**Customer Care :** customercare.white@jkcement.com

