

JKPROFIX

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Technical Data Sheet

Supreme Latex SBR+



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SBR LATEX FOR NEW WATERPROOFING AND REPAIRS

JKPROFIX Supreme Latex - SBR+ is a high performance waterproofing and repair product based on modified Styrene Butadiene Latex. It is used for repairs of spalled concrete on floors, columns, slabs and beams, also for waterproofing of toilets, bathrooms and terraces. It bonds strongly to old and new concrete and plaster.



Usage

- As bond coat - On various substrates such as plaster to plaster, concrete to concrete, plaster to concrete masonry to stone work and for plastering over brick masonry. Bonding coat and mortar for tiles and panels, underlays for special finishes such as top rendering coat for chemical resistant floors.
- As waterproofing - Waterproofing of sunken portions of toilets and bathrooms, small roof terraces, overhanging roof coverings, lift pits, balconies and staircases. Waterproofing of liquid and effluent tanks, car deck and walk ways.
- As crack repair - Repairs of plaster cracks more than 5 mm and in gaps between masonry and RCC members.
- As rebar coating - Coating for prevention of corrosion over rebars.
- For cladding - Fixing or refixing of slip bricks, tiles, stones and marble bedding.
- As external rendering - Weatherproof and frost resistant render high wear and erosion resistant render. As bonding slurry coat for pin hole treatment on concrete surface and as repair mortar for overhead applications.



Key Benefits and Features

- Multipurpose, easy to use and economical product.
- Bonds strongly to concrete, masonry, stonework, plasters, cementitious surfaces.
- Less material wastage due to fall back or rebound when used as bonding agent.
- Improves abrasion resistance and hardness of cement mix.
- Reduces drying and aging shrinkage cracks by improving flexural strength.
- Improves flexibility, low water-cement ratio and resistance to water penetration.
- Prevents corrosion of reinforcing materials and improves erosion resistance.
- Enhances strength and durability of repair mortar.

*Consult with JKPROFIX Technical Team for support.

Typical Properties

Appearance: Milky white, translucent, free flowing liquid.

Base: SBR (Styrene Butadine Rubber) Latex.

Application Method

1. Surface Preparation

Surface should be cleaned with a wire brush or scrubber to remove hidden dust, dirt and loose particles. Surface to be degreased by using suitable solvents.

Any spalled concrete portion should be repaired by saw cutting the extreme edges of repair location to a depth of at least 10 mm to avoid featheredging and provides strong substrate.

If breaking is not possible, clean the concrete surface to remove any contamination. Roughen the surface by light scabbling or grit blasting.

Fully expose the corroded rebars in repairing area. Remove all loose scales and corrosion deposits to clean the surface.

2. Mixing and Application

2a. Bond Coat

Mix 1 : 1 of JKPROFIX Supreme Latex - SBR+ and Cement by weight and apply a single coat of the mixed quantity. Overlay the mortar/ render/ screed on it when bond coat is still tacky. Always add cement to the liquid.

2b. Waterproof Coating

Mix 1 : 1.5 of JKPROFIX Supreme Latex - SBR+ and Cement by weight. Brush apply the first coat and let it dry for approximately 4-6 hours. Apply second coat after first coat is dry. Overlay the second coat with screed/plaster for protection and finish.

2c. Rebar Coating

Mix 1 : 1.5 of JKPROFIX Supreme Latex - SBR+ and Cement by weight, rusted rebars must be thoroughly scraped, by mechanical means if required. Brush apply a single coat of prepared mix over the rebars. Apply concrete/mortar when the coat is tacky.

2d. For 'Salt Petre' free Plaster Brick Masonry

Mix 1 : 1.5 of Jkprofix Supreme Latex - SBR+ and Cement by weight. Brush apply the first coat on brick and let it dry. Apply second coat and overlay repair mortar/plaster when the coat is tacky.

2e. For Renders, Patching and Crack Repair Mortar

Weigh 1.5 Kg of JKPROFIX Supreme Latex-SBR+ + 2 Kg Water; 10 Kg Cement + 30 Kg of Zone-II Sand. Mix 1.5 Kg of Supreme Latex - SBR+ with pre-measured water for 10Kg of cement. Add this mix to the recommended dry mortar mixes. Mortar mixes may be as rich as 1 : 3 (cement : sand). Keep water cement ratio in mortar as low as 0.2 but not more than 0.25 (as required for workable consistency). Clean and wet the crack area completely. Apply a single coat as a bond coat prior to the crack filling as per the mixing proportions mentioned above in bond coat. Fill the crack with above prepared mortar. Compact it into crack fully and trowel finish to level.

2f. As Waterproof Plaster/Repair Plaster

50 Kg OPC cement, 150 Kg Sand, 1 Kg JKPROFIX Supreme Latex - SBR+, 20 L Water: Mix 1 Kg of JKPROFIX Supreme Latex-SBR+ with pre-measured quantity of water for 50 Kg cement. Add this mix to the recommended dry plaster mixes. Plaster mixes may be rich as 1 : 3 (cement : sand). Keep water cement ratio in plaster as low as 0.4 but not more than 0.45 (as required for workable consistency). For better application apply a bond coat with JKPROFIX Supreme Latex - SBR+ as suggested earlier. Second and final layer of plaster must not be mixed with JKPROFIX Supreme Latex - SBR+. Add JKPROFIX LWP to the second coat plaster. Take care to scratch key the first coat surface for effective bond with the second coat.

Coverage

Waterproofing Application: 2 - 2.5 sqm/Kg/two coat.

Bond Coat Application: 4.2 - 4.7 sqm/Kg/coat.

Technical Information

S. No.	Test Property	Typical Value
1	Sp. Gravity @ 25°C g/ml	1.02 ± 0.02
2	Non Volatile matter, %	42 – 44
3	pH value	7 – 9
4	Chemical resistance	Resists Mild Acids & Alkalies
5	Freeze thaw resistance	Excellent

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 and make the mortar workable.
- Do not use JKPROFIX Supreme Latex -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

- Use rubber gloves, mask and safety goggles while using Supreme Latex.
- In case of contact with skin and eyes, wash with plenty of water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.
- Keep out of reach of children.

Packing

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

Shelf Life

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



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