



# JKPROFIX

TRUSTED BY EXPERTS



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## About JK Cement

JK Cement is an affiliate of the multi-disciplinary industrial conglomerate, JK Organisation. With over four decades of experience in cement manufacturing, the company is one of the leading grey cement manufacturers in the country. A pioneer in the white cement industry, the company is the 2<sup>nd</sup> largest producer of white cement and wall putty in India and the 3<sup>rd</sup> largest white cement manufacturer in the world.

Backed by state-of-the-art technology, access to best quality raw materials and highly skilled manpower, JK Cement has partnered the nation's multi-sectoral infrastructure needs on the strength of its product excellence, customer orientation and technology leadership.

JKPROFIX offers a comprehensive range of high-quality products to cater to the waterproofing needs of new constructions, repairs, and renovations. The products are well suited for every seepage and leakage-related issue faced by the customers. The new range of JKPROFIX products ensures interiors and exteriors are free from leakage, seepage, and dampness.

JKPROFIX waterproofing product range consists of following products

Liquid Waterproofing Polymer

Universal Repairing Product

Supreme Latex SBR+

Damp Protec 2K

Roof Protec

Crack Seal Paste

## Liquid Waterproofing Polymer

### CONCRETE INTEGRAL WATERPROOFING COMPOUND

JKPROFIX Liquid Waterproofing Polymer is a uniquely designed waterproofing compound that is vital for cement mortar, concrete and plaster. Composed with plasticizing additives, it helps to make the concrete more cohesive and compact. Helps to prevent segregation of mortar/plaster and reduce water permeability inside the structure.



#### Usage

Concrete, sand-cement mortars, basements, foundation, roof slabs, screeds, water tanks, water retaining structures, external and internal plasters, bathrooms, balconies, sumps and drains, brick laying mortar.

#### Key Benefits and Features

- Easily miscible liquid and compatible with concrete/ mortar mixes.
- Reduces permeability of water into concrete after setting.
- Improves workability and plasticity of concrete mix.
- Increases compressive strength up to 15% within defined setting time.
- Resists corrosion of reinforcement steel due to chloride penetration and water.
- Increases durability by providing waterproofing in concrete.

\*Consult with JKPROFIX Technical Team for support



#### Typical Properties

Standard Compliance: Conforms to IS 2645 for water impermeability  
 Appearance: Brown color liquid

#### Dosage

200 ml per 50 Kg bag of Cement

#### Application Method

1. Cement and coarse/ fine aggregates are charged into concrete mixer as per mix design. Prepare a homogeneous mix in dry state for 2-3 minutes. Make icons for mixing and application method.
2. Start addition of 50-60% of mixing water and mix for 2-3 minutes.
3. JKPROFIX Liquid Waterproofing Polymer is added as per recommended dosage into the remaining mixing water, then add to the concrete mixer and mix for another 2 minutes.
4. Place the concrete or apply plaster as needed.
5. Cure the applied mortar/ concrete as per good construction practices.

#### Technical Information

S. No.	Test Property	Typical Value
1	Sp. gr. @ 25 °C	1.11 – 1.15
2	Non volatile content	24.7 – 27.3%
3	pH value	8.0 – 10.0
4	Setting time, minutes	Passes (IS : 2645 : 2003)
5	Chloride content	0.1% Max (IS : 2645 : 2003)
6	Water permeability	Passes (IS : 2645 : 2003)
7	Compressive strength N /mm <sup>2</sup>	As per the standard (IS : 2645 : 2003)

#### Precautions/ Limitations

- Do not add directly to dry cement and aggregate mix.
- Maintain water-cement ratio as low as possible.
- 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 and safety goggles while using construction chemicals.
- 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

200ml, 1L, 5L, 10L, 20L, 50L

#### Shelf Life

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

## 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.

## Supreme Latex SBR+

### 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 Butadiene 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.



## Damp Protec 2K

### TWO COMPONENT ACRYLIC POLYMER MODIFIED WATERPROOF COATING

JKPROFIX Damp Protec 2K is a two pack polymer modified cementitious based protective and waterproof coating. On hardening, it develops excellent bonding property to most building materials. It is suitable in both interior and exteriors, and all other civil engineering applications. It develops slightly flexible film, which prevents dampness in buildings and other concrete structures permanently.



#### Usage

- Waterproofing in bathrooms, kitchens, sinks, balconies, swimming pools, roofs, canopies, over hanging roof coverings etc.
- Exterior waterproofing of basement walls in new buildings.
- All kinds of waterproofing in concrete mortar, rendering, brickwork and block work.
- Internal damp walls, internal basement, cellar walls etc.



#### Key Benefits and Features

- Resists upto 5 bar of positive water pressure, so can be used for coating inside sunken areas, swimming pools etc. as per test method DIN 1048.
  - Highly elastic and flexible coating.
  - Protects concrete against carbonation and efflorescence.
  - Excellent bond strength with various cementitious substrates.
  - Forms a seamless coat without joint and protects corners and edges.
- \*Consult with JKPROFIX Technical Team for support.

#### Typical Properties

Appearance: Pack A: White liquid; Pack B: Grey Powder

Color of hardened film: Grey

#### Application Method

##### 1. Surface Preparation

The surface must be thoroughly prepared by removing loose dust particles, laitance, oils, grease, paint, bitumen and other surface contaminants. Surface should be fully cured before application of JKPROFIX Damp Protec 2K. Any surface undulations, cracks and crevices should be filled and repaired with cement sand mortar mixed with JKPROFIX Liquid Waterproofing Polymer.

##### 2. Mixing

Shake the liquid component well to maintain homogeneous milky color. Mix the entire quantity of powder to the entire quantity of liquid as given in the proportionate packing. Stir continuously to achieve a homogeneous slurry. Use mechanical stirrer in case of bulk volume.

##### 3. Application

##### 3a. For Damp Wall, Basement

All surfaces should be dampened well by spraying of water over them. The first coat of JKPROFIX Damp Protec 2K should be applied on dampened surfaces using fiber brush. The second coat should be applied in perpendicular direction when the first coat is reasonably hard. For any subsequent coat, the previous coat should be allowed to harden for upto 24 hours. Protect the freshly applied coat from rain water or water splashes. Protect the freshly applied surface from direct sunlight for at least 6 - 8 hours.

##### 3b. For Exposed Roof

Prepared surface should be dampened well with clean potable water. The first coat of JKPROFIX Damp Protec 2K is applied using soft fibre brush. Fibre mesh is uniformly spread on the freshly applied first coat. The second coat should be applied over the first coat after 6-8 hours. Recommended to cover exposed surface that is subjected to traffic movement with a 15-25 mm plaster (1 : 4 cement & sand fortified with JKPROFIX LWP).

**3c. New Bathrooms**

JKPROFIX Damp Protec 2K must be applied all over the sunken slab portion and upwards over the masonry walls up to a height of 6-7 feet (over the splash zone of shower etc.) to ensure complete waterproofing.

Apply 2 coats of JKPROFIX Damp Protec 2K on all over or shower area in perpendicular direction, sprinkle coarse quartz sand while the second coat is still wet. This will provide good surface for subsequent tile laying.

**3d. General Waterproofing**

If applied in areas exposed to foot traffic, JKPROFIX Damp Protec 2K coatings should be protected with a screed overlaid, during the application itself.

**Coverage**

15-16 Sq. ft./ Kg/ 2 coats

**Technical Information**

S.No.	Test Property	Typical Value
1	Density (Kg/L)	Pack A: ~ 1.03 Pack B: ~ 1.40
2	Mixing ratio, By weight	1 part Liquid Additive & 2 parts powder
3	pH	Pack A - 8 to 10
4	Pot life at 30 °C, Minutes	30 minutes
5	Time for working at 30 °C	20 to 30 minutes (60% R.H.)
6	Application Temperature	Min. 20 °C and Max. 45 °C
7	Recoatibility time, Hrs	4 - 6 hours
8	Cure time after 2nd coat, days	5 to 7 days

**Precautions/ Limitations**

- Do not add water to JKPROFIX Damp Protec 2K components.
- Mix the entire quantity in one go and always add powder to liquid to avoid lump formation.
- In case of trafficable area, overlaying of cementitious screed/plaster can be done within 24 to 48 hrs.
- In case of fresh concrete/masonry substrate – the surface must be cured for 28 days before application.
- Do not cure by flooding with water or conduct any ponding test before it gets completely cured.
- Pond test for water tightness shall be carried out only after 5 to 7 days of complete and proper curing.

**Safety**

- No added Lead, Mercury or Chromium compounds.
- Use rubber gloves, mask and safety goggles while using JKPROFIX Damp Protec 2K.
- 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.
- Do not breathe vapour or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Do not pour leftover material down the drain or in water courses.
- In the event of spills, contain spillage using sand or earth.
- Keep out of reach of children and away from eatables.

**Packing**

3Kg, 15 Kg

**Shelf Life**

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

## ROOF PROTEC

### SINGLE COMPONENT LIQUID COATING FOR WATERPROOFING AND HEAT REFLECTION

JKPROFIX Roof Protec is fibre reinforced elastomeric liquid membrane with excellent waterproofing property. It is formulated with high quality elastomeric and resilient acrylic polymers, reinforcing fibres, selected and graded fine fillers, additives and water as a medium.



#### Usage

All exterior surfaces, building roofs, terraces, sunshades, parapets and exterior vertical walls. It can also be applied on sound brick-bat coba or cementitious waterproofing.

#### Key Benefits and Features

- Waterproofing protection from up to 7 bars hydrostatic pressure as BS EN 12390, part 8 :2000.
- Single component and user friendly water- based products.
- Reduces carbon dioxide and chloride ion diffusion, protecting corrosion of rebars.
- Outstanding whiteness reflects heat, provides cooling effect on the construction.
- Unmatched crack bridging ability due to elastomeric properties.
- Used for re-coating, repairing and maintenance.
- Suitable for foot traffic on roof area.
- Strong adhesion to masonry surfaces.

\* Consult with JKPROFIX Technical Team for support.



#### Typical Properties

Appearance: Viscous Liquid

Color: White

#### Application Method

##### 1. Surface Preparation

New masonry surfaces must be cured completely. It is recommended to allow 28 days as the curing time for new masonry surfaces.

Surface should be free from any contaminations, loose particles, paint, dirt, dust or grease particles.

Remove all existing bitumen coatings, laitance, oil, loose and foreign materials completely by wire brushing or high speed water jet for thorough cleaning.

Repair structural defects before proceeding application of JKPROFIX Roof Protec.

All surface cracks upto 5 mm width should be filled with JKPROFIX Crack Seal Paste. Cracks more than 5 mm and all separation gaps must be repaired with JKPROFIX Universal Repairing Product - SBR.

The substrate must be checked for its hollowness using small hammer.

##### 2. Application

##### 2a. Horizontal Area

- Apply a self-priming coat of JKPROFIX Roof Protec diluted with potable water in ratio of 3 : 1 (JKPROFIX Roof Protec : Water) and allow it to dry for 4-6 hours.
- Apply 2 coats of JKPROFIX Roof Protec without dilution by brush or roller on the primed surface. Forced coverage of 25-30 sq ft/ltr/coat. Allow it to dry for 4-6 hours between coats.
- For enhanced protection, apply additional coat of JKPROFIX Roof Protec on terraces, building roofs and sunshades.
- Allow the coated surface to air cure fully for 7 days.

##### 2b. Vertical Area

- Apply a self-priming coat of JKPROFIX Roof Protec diluted with potable water in ratio of 3 : 1 (JKPROFIX Roof Protec : Water) by brush and allow it to dry for 4-6 hours.
- Apply 1 coat of JKPROFIX Roof Protec without dilution by brush or roller on the primed surface at forced coverage of 30-35 sq ft/ltr consumption and allow it to dry for 4-6 hours.
- Allow the coated surface to air cure fully for 7 days.

**Coverage**

On RCC or plaster using brush or roller.  
 25-30\* sq ft/ltr/ coat on horizontal area 30-35\* sq ft/ltr on vertical walls for 1 coat.  
 \* Coverage may vary depending upon the texture and porosity of the surface.

**Technical Information**

S.No.	Test Property	Typical Value
1	Density	Approx. 1.27 ± 0.02 Kg/L at 30°C
2	Service Temp	The limit not to exceed 5°C - 35°C
3	Dilution ratio	No dilution except primer coat, for primer coat dilution ratio is 3:1 (3 part JKPROFIX Roof Protec : 1 part Water)
4	Non-volatile content	54.15 – 59.85%
5	Crack bridging ability (ASTM C:836)	Passes → 2 mm width
6	UV Resistance (ASTM G 154:2000)	Excellent
7	Dirt Pick Up Resistance	Good
8	Algae & Fungal Resistance [SS 354 : 1998]	No growth

**Precautions/ Limitations**

- Do not apply when ambient temperature is below 5°C or above 35°C.
- Do not apply in direct sunlight or rain.
- Avoid abuses which may lead to puncturing of surface.
- Ensure that the product is applied at least 6 inches inside the drain pipe.
- For best results, apply parapet to envelope the entire building.

**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.
- If swallowed, seek medical attention immediately. Do not induce vomiting.
- Do not breathe vapour or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- In the event of spills, contains spillage using sand or earth.
- Keep out of reach of children and away from eatables.
- No added Lead, Mercury or Chromium Compounds.

**Packing**

1L, 4L, 10L, 20L

**Shelf Life**

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

## CRACK SEAL PASTE

READY TO USE CRACK FILLER FOR INTERNAL AND EXTERNAL SURFACE CRACK IN PLASTER AND CONCRETE

JKPROFIX Crack Seal Paste is made of high performance acrylic emulsion polymer, graded fillers and additives. It is ready to use flexible paste for filling cracks in plastered surface and provide excellent bonding, tensile strength, aesthetic appearance and durability.



### Usage

External and Internal plastered brick masonry wall cracks of upto 5 mm width.

### Key Benefits and Features

- Paste form, easy to apply without sagging.
- Flexible, therefore does not crack and accommodates minor movements in cracks.
- Reinforced with glass fibers for superior mechanical strength.
- Very strong adhesion on all absorbent surfaces like plaster, wood, gypsum, POP, asbestos, etc.
- Water resistant film stops water ingress through cracks.
- Over coatable with any type of water based paint, after 24 hours.
- Non toxic and harmless to hands.

\*Consult with JKPROFIX Technical Team for support.



### Typical Properties

Color: White

### Application Method

#### 1. Surface Preparation

Surface must be free from dust, oil, grease and loose particles etc. Moisten the surface before applying JKPROFIX Crack Seal Paste.

Fine hair line cracks must be widened upto 1 mm minimum by using scrapper and then fill JKPROFIX Crack Seal Paste.

For filling JKPROFIX Crack Seal Paste on the internal surfaces, existing POP or painter's putty must be removed till plaster surface is exposed.

#### 2. Application

Press JKPROFIX Crack Seal Paste firmly into the cracks with a spatula or putty knife and level with the surface.

Care must be taken to avoid formation of cavities or bubbles during application.

Allow it set for 24 hours and then apply another coat of JKPROFIX Crack Seal Paste.

Further POP or painter's putty application can be taken up once it is fully dry.

For best results allow the Crack Filler to cure for 7 days.

### Coverage

25 - 30 running meter/kg (for a depth of 5 mm and width of 5 mm)

\*Coverage may vary based on porosity of the surface.

**NOTES :**

**Technical Information**

S.No.	Test Property	Typical Value
1	Density g/cc (ASTM D 1475)	1.48 ± 0.02
2	Consistency	Viscous paste
3	Non Volatile Content, %	75 - 80 (ASTM D 1644)
4	Tack Free Time, Minutes	35 - 45 (ASTM D : 2377)
5	Vertical Slump, mm	Nil (ASTM D : 2202)
6	Service temp. range, oC	-15 to + 80
7	Extension recovery, %	Min 75 (ASTM C : 736)
8	Freeze / thaw stability, cycles Volume Shrinkage, %	Passes 5 20 (ASTM C : 1241)

**Precautions/ Limitations**

- Should not be used for cracks more than 5 mm thick.
- Not for application in cracks in structural members, expansion joints and separation gaps.
- Drying time could be delayed for application below 10°C.
- Container should be closed tightly after application.

**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.
- If swallowed, seek medical attention immediately. Do not induce vomiting.
- Keep out of reach of children and away from eatables.
- No added Lead, Mercury or Chromium Compounds.

**Packing**

300g, 1Kg, 5Kg

**Shelf Life**

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

**NOTES :**

**NOTES :**

**NOTES :**