

JKPROFIX

TRUSTED BY EXPERTS



Technical Data Sheet

Roof Protec



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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

- i) 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.
- ii) Apply 2 coats of JKPROFIX Roof Protec without dilution by brush or roller on the primed surface. Forced coverage of 25-30 sq ft/Itr/coat. Allow it to dry for 4-6 hours between coats.
- iii) For enhanced protection, apply additional coat of JKPROFIX Roof Protec on terraces, building roofs and sunshades.
- iv) Allow the coated surface to air cure fully for 7 days.

2b. Vertical Area

- i) 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.
- ii) 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/Itr consumption and allow it to dry for 4-6 hours.
- iii) 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.



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