

# **JKPROFIX**

**TRUSTED BY EXPERTS**



## **Technical Data Sheet**

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### **Damp Protec 2K**



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### 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



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