

## PROXON APM 2K

**PROXON APM 2K** is a two component acrylic polymer-modified cementitious waterproofing system forming an elastomeric membrane. It protects concrete, masonry, under screed & tile applications.



### What

**PROXON APM 2K** is a two-component acrylic polymer-modified cementitious waterproofing system forming a flexible membrane. It ensures water tightness, protects concrete, masonry, and is ideal for under screed and tile applications.

### Why?

- Strong adhesion to surfaces
- Safe for potable water
- Durable and seamless finish
- Waterproof and flexible
- Resists pressure and chemicals
- Breathable, prevents moisture buildup

### Usage

Ideal for waterproofing sunken slabs, kitchens, wet areas, roofs, basements, terraces, and water reservoirs. Protects concrete from carbonation, chloride attack, and dampness. Serves as a waterproof mortar for tiles, marble, and exposed surfaces.

### How to use?

- Ensure clean, dry surface
- Remove dust, oil, debris
- Wet surface before application
- Mix powder into liquid
- Apply with brush/roller
- Use fiber mesh reinforcement

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### Application

**Surface preparation:** Proper surface preparation ensures optimal performance. Concrete and masonry must be 28 days old with less than 5% moisture. The surface should be dry, free from defects, dust, oil, or loose particles. Clean using wire brushing, grit blasting, or high-pressure water jetting. Construction joints must be checked for water tightness, and gaps should be grouted with polymer-modified or non-shrink mortar. Damaged bitumen membranes must be fully removed, while sound primers can be coated directly.

**Mixing and Application:** ProXon ProAPM 2K is supplied in two pre-measured parts. Mix powder into liquid using a slow-speed

mixer (100–150 rpm). Do not add water. Apply by brush or roller in two coats, ensuring 1mm thickness. Fiber mesh reinforcement is recommended for joints. Allow 4–5 hours between coats. Before cement screed placement, sprinkle coarse sand on the final wet coat for better adhesion. A protective render mortar is advised for areas with heavy load or hydrostatic pressure.

### Packing

20Kg unit.

Part A (Powder): 15Kg (selected cements, polymers, silica, and fillers)

Part B (Liquid): 5 Liters (modified acrylic copolymers)

### Physical Properties

Standard conforms	BS 1881 Part 5 1983 (ISAT): 476 Part 6
DIN 1048:Part 5	1991/BSEN 12390-8:2000 (water permeability test)
Colour	Grey
Maximum size of particles	0.3 mm
Tensile Strength	>1.70N/mm <sup>2</sup> (ASTM D 412-92
Flexural Strength	>6N/mm <sup>2</sup>
Adhesion to Concrete	>1N/mm <sup>2</sup>
Elongation	30%
Specific Gravity	1.8 gm/cc
Toxicity	Non-Toxicity
Chemical Resistance	Excellent resistance against gasoline, diesel, sodium hydroxide, CaCl <sub>2</sub> , deicing salts, etc.,

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## Coverage

1.800 kg/Sq m in two coats to achieve 1000μDFT

## Shelf Life

**PROXON APM 2K** should be stored in a cool, dry, and shaded area. Shelf life is 12 months if kept away from sunlight, extreme temperatures, and humidity. In tropical climates, store in a cooled environment to prevent deterioration.

## Safety

**PROXON APM 2K** is non-hazardous but requires caution. Wear gloves, goggles, and protective clothing. Rinse skin or eyes with water if splashed. If swallowed, seek medical help immediately. Store properly and refer to the MSDS for details.

### MANUFACTURING & MARKETING BY: PROXON PRIVATE LIMITED

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