

## PROXON APM 2K PREMIUM

**PROXON APM 2K PREMIUM** is a two-component waterproofing system with refined cement, polymers, and additives for excellent elasticity, durability, and superior resistance to water.



### What

**PROXON APM 2K PREMIUM** is a high-performance, two-component cementitious waterproofing system. It features refined cement, ultra-fine fillers, specialty additives, and advanced acrylic polymer technology, offering superior elasticity, water resistance, and long-term durability.

### Why?

- Superior chemical bond
- High abrasion resistance
- Optimized polymer ratio
- Enhanced crack control
- Resists water pressure
- Easy, cost-effective application

### Usage

Ideal for underlay waterproofing of roof slabs, sunken slabs, basements, water tanks, sunshades, and terraces. Suitable for both interior and exterior surfaces, delivering reliable, high-performance waterproofing across a wide range of structures.

### How to use?

- Clean surface thoroughly
- Add 5% of Potable water
- Maintain correct thickness
- Avoid rain post-application
- Use in 10–40°C only
- Perpendicular second coat

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## Application

**Surface preparation:** Ensure all surfaces are sound, clean & free from dust, oil, grease, paint, laitance, or any loose particles. Mechanically roughen smooth substrates using methods like scabbling or needle gunning. Corroded steel should be fully exposed & cleaned to a bright metal finish using emery cloth, grit, or sandblasting.

**Mixing and Application:** Add 5% of Potable water (2Ltr for 40 Kg pack) and thoroughly combine the liquid and powder components until a smooth, lump-free paste is

achieved. Use dry-pack form for pre-filling cracks if necessary.

**Application:** Pre-wet the substrate without leaving standing water. Apply the first coat evenly using a brush or roller. Allow 6–7 hours of drying before applying the second coat in a perpendicular direction. Avoid working in temperatures below 10°C or above 40°C. Protect surfaces for 24–48 hours post-application. Clean tools & equipment with water immediately after use.

## Physical Properties

Chemical type	Part A: Acrylic polymer Part B: Blend of portland cement, mineral fillers and performance additives
Appearance	Part A: Milky white   Part B: Grey powder
Mix ratio	1 : 3 ( Part A liquid : Part B powder ) by weight addition water as per mentioned in mixing instructions
Mix density	Part A: ~1.06 gm/cc   Part B: ~1.835 gm/cc Mix density (part A+ part B+ water 15%): ~1.735 gm/cc
Solid content by weight (ASTM D 2369)	~85%
Application temperature	10°C ≤ T ≤ 40°C
Tensile strength (ASTM D 638)	~1.7 n/mm²
Crack bridging capacity (ASTM C 1305)	≥ 1.5 mm
Elongation at break (ASTM D 412)	~280%
Bond strength (ASTM D 7234)	≥ 1.5 mpa for M20 grade concrete or concrete failure
Water permeability (DIN 1048)	No water penetration at 5 bar pressure for 48 hours
Resistance to water vapor transmission (ASTM E 96)	<5 g/m²/24 hrs
Foot traffic (ISO 13007)	24 hours at 25°C

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## Packing

Part A (liquid) : 10 Kg & Part B (Powder) : 30 Kg.

## Coverage

1.7 kg / 1 sqm / 2 coats @ 0.8 to 1mm thickness.

## Shelf Life

**PROXON APM 2K PREMIUM** has a 12-month shelf life when stored unopened in a cool, dry area away from sunlight and heat. Keep sealed, stir before use, and follow standard safety & application guidelines.

## Safety

Refer to the SDS for full safety and handling details. Product data is based on experience & may be updated without notice. No liability for misuse or site-specific issues beyond our control. Contact for latest version.

### MANUFACTURING & MARKETING BY:

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