

PROXON APM 2K STD

PROXON APM 2K STD is a two-component cementitious waterproofing system with acrylic polymer, offering strong adhesion, flexibility, and durability for roofs and substrates.



What

PROXON APM 2K STD is a two-component cementitious waterproofing system made with high-grade cement, fillers, additives, and acrylic polymer. It forms a durable, flexible coating ideal for roofs, underlays, and masonry surfaces.

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 areas, basements, water tanks, sunshades, and terraces. Suitable for both interior and exterior applications, providing versatile and reliable protection against water ingress.

How to use?

- Clean, roughened surface
- Remove rust completely
- Mix full pack
- Add 5% of Potable water
- Apply two coats
- Avoid extreme temperatures

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Application

Surface Preparation:

Ensure all surfaces are sound, clean, and free from dust, oil, grease, paint, plaster, and other contaminants. Remove laitance using mechanical methods. Smooth substrates must be roughened using tools like scabblers or needle guns. Corroded reinforcement steel should be fully exposed and cleaned to a bright finish using emery cloth, grit, or sandblasting.

Mixing:

Mix the entire pack at once. Add 5% Potable water (1 Ltr for 20 Kg pack). Blend the

powder and liquid components thoroughly to achieve a uniform, lump-free mix. Use in dry-pack form to repair cracks before coating.

Application:

Pre-wet the surface before applying **PROXON APM 2K STANDARD**. Apply the first coat evenly and allow 6–7 hours of drying. Apply the second coat perpendicular to the first. Maintain application between 10°C–40°C and protect the surface from water for 24–48 hours. 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: ~1.83 gm/cc Mix density (Part A + Part B + Water 15%): ~ 1.78 gm/cc
Solid content by weight (ASTM D 2369)	~80%
Application temperature	10°C ≤ T ≤ 40°C
Tensile strength (ASTM D 638)	~1.5 n/mm²
Crack bridging capacity (ASTM C 1305)	≥ 1.5 mm
Elongation at break (ASTM D 412)	~250%
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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Coverage

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

Packing

Part A (liquid) : 5 Kg & Part B(Powder) : 15 Kg.

Shelf Life

PROXON APM 2K STD has a 12-month shelf life when stored unopened in a cool, dry place away from sunlight. Keep sealed, out of children's reach, stir well before use, and follow application guidelines.

Safety

Refer to the Safety Data Sheet (SDS) for detailed handling, storage, and safety info. Product data is based on experience but may change. No liability is accepted for misuse or uncontrolled application conditions.

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Product Use Advisory : The technical information and advice provided are based on current scientific and practical knowledge. As this is general information, no warranty is given on product suitability for specific applications. Users must verify product suitability for their intended use and application.