

PROXON PU COAT

PROXON PU COAT is a single-component, liquid polyurethane waterproofing coating that resists moisture, water, and salt penetration on concrete surfaces.



What

PROXON PU COAT is a single-component, liquid-applied elastomeric polyurethane coating that provides superior waterproofing and excellent resistance to moisture, water, and salt penetration on concrete and masonry surfaces.

Why?

- Liquid applied membrane
- Seamless non-toxic coating
- Flexible crack bridging
- Strong substrate adhesion
- Resists water pressure
- Chemical and weather-resistant

Usage

PROXON PU COAT is used to prevent water leakage and moisture penetration in concrete and masonry surfaces. Ideal for waterproofing retaining walls, podiums, sunken slabs, terraces, and swimming pools in demanding environments.

How to use?

- Clean sound substrate
- Roughen smooth surfaces
- Prepare concave fillets
- Apply epoxy primer
- Roll two coats
- Protect with screed

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Application

Ensure all substrates are clean, sound, and free from dust, oil, grease, laitance, and loose particles. Smooth surfaces should be mechanically roughened for better adhesion. Corroded steel must be fully exposed & cleaned thoroughly. Prepare 50x50mm fillets at all horizontal and vertical joints using non-shrink grout or SBR-modified concrete. Once cured and dry, apply a coat of epoxy primer and allow it to become tacky (after 4–5 hours). Mix **PROXON PU COAT** thoroughly using a slow-speed stirrer and apply uniformly with a roller or brush. Apply two coats, ensuring full coverage,

especially along joints and up to 300mm on walls. Protect with 160 gsm geo textile and screed/plaster as required. Clean tools & equipment after use.

Coverage

1.5 – 2kg/m² for 1mm thickness.

Packing

Available at 20 Kg packs.

Shelf Life

Must be stored in cool, dry, shaded areas. Shelf life is 7 months if kept covered, away from sunlight and extreme temperatures.

Physical Properties

Appearance	Milky, White emulsion
Application temperature range	10°C to 40°C
Viscosity @30°C (Brookfield RVF 4/20)	~13000 – 15000 cps
pH	8
Density at 27°C	Approx. 1.17 g/cc
Solid content (ASTM D 2369)	~60%
Recoating	3–5 hours at 20°C
Cure time at 25°C	5–7 days
Elongation at break (ASTM D412)	550%
Shore hardness (ASTM C 836)	70 – 80
Crack bridging (ASTM C 836)	Up to 1.5 mm
Tear resistance (ASTM D 624)	9 – 10 N
Moisture vapor permeability (ASTM E 96)	~7g/m ² /24 hrs
UV resistance (ASTM G 154)	No degradation, cracks or yellowing after 1000 hours
Abrasion resistance (ASTM D 4060)	<100 mg loss CS-17 wheel, 1000 cycles
Pull of adhesion strength (ASTM C 7234)	>2 mpa

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Safety

PROXON PU COAT contains resins and amines. Wear gloves, goggles, safety shoes, and face mask while handling. In case of skin or eye contact, rinse immediately. If swallowed, seek medical help immediately. Refer MSDS for details.

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