

## PROXON PU COAT

**PROXON PU COAT** is a one-component, hydrophobic polyurethane membrane offering durable, elastic waterproofing with excellent tear resistance, ideal for unexposed areas, requiring protection with screed, plaster, or geotextile membranes.



### What

**PROXON PU COAT** is a 1k, fluid-applied, hydrophobic polyurethane membrane providing durable, elastic waterproofing with excellent tear & water resistance. Designed for unexposed areas, it must be protected with screed, plaster, or geotextile membrane, ensuring long-lasting performance.

### Why?

- Durable waterproof protection
- Bridges structural cracks
- Anti-algal, anti-fungal properties
- Easy single component application
- Breathable, washable, non-toxic
- Strong substrate adhesion

### Usage

Suitable for unexposed waterproofing under tiles in podiums, wet areas, bathrooms, balconies, planter boxes, and slabs needing flexibility. Ideal for roofs and terraces covered with cement topping, tiles, or protective screed for durability.

### How to use?

- Ensure dry, clean surface
- Remove dirt, oils, coatings
- Fill cracks and holes
- Apply primer for adhesion
- Use brush, roller, spray
- Cure each coat fully

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## Application

### Surface Preparation:

Proper surface preparation is essential for effective waterproofing. Concrete/masonry substrates must be at least 28 days old with moisture below 5%. Remove loose coatings, oils, dust, and surface irregularities using mechanical methods. Cracks and holes must be filled with appropriate sealants or repair putty. Strictly avoid washing the surface before primer application; if washed, ensure it dries fully.

### Priming:

Apply Proxon Prime PU100 at 0.2 kg/sqm

based on substrate condition. Contact technical support for recommendations.

### Application:

Apply Proxon PU Coat using brush, roller, or spray, in a minimum of two coats (1 kg/sqm). Embed geotextile fabric with 100mm overlaps in critical areas. Cure each coat before the next.

### Cleaning:

Clean tools immediately with thinner.

## Packing

Available at 5 & 20 Kg packs

## Physical Properties

Physical Appearance	High viscous Liquid form
Viscosity (Brookfield)	60,000 to 65,000
Colour & Finish	White: seamless joint free membrane
Density (ASTM D 1475)	1.30gm/cc
Elongation at Break (ASTM D 638)	400%
Tensile Strength (ASTM D 412)	>1.50N/mm <sup>2</sup> >8N/mm <sup>2</sup> with fiber mesh reinforced
Adhesion to Substrate (ASTM D 412)	>1.50N/mm <sup>2</sup>
Water Penetration (DIN 1048)	No leak at 1m water column (72Hrs) t
Water Vapour Transmission (ASTM E96)	19g/Sq.m/day
SHORE A Hardness (ASTM D 2240)	60
Crack Bridging (ASTM C 836)	No cracks up to 2mm in 2000 microns DFT
Pot Life	20-25 Min. at 25°C
Application Temperature	5°C to 50°C with RH <60%
Touch Dry / Rain Stability	2 hrs @25°C
Recoatible	10 hrs @25°C
Full Cure	7 Days

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## Shelf Life

**PROXON PU COAT** must be stored in cool, dry, shaded areas. Shelf life is 12 months if kept covered, away from sunlight and extreme temperatures. High humidity and UV exposure will reduce shelf life.

## 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.

### MANUFACTURING & MARKETING BY:

#### PROXON PRIVATE LIMITED

**Corporate Office :** #2/3, Sakthi Nagar Main Road, Arumbakkam,  
Chennai-600 106, TamilNadu, India | **MOB :** +91 89259 62014

**Website :** [www.proxon.in](http://www.proxon.in) | [info@proxon.in](mailto:info@proxon.in)



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