

PROXON CW

PROXON CW is a deep-penetrating crystalline waterproofing system that seals concrete pores and cracks, ensuring permanent protection against water ingress and hydrostatic pressure.



What

PROXON CW is a deep-penetrating crystalline waterproofing system that seals concrete pores and cracks, preventing water ingress. Its active chemicals react with moisture to form insoluble crystals, ensuring permanent protection even against strong hydrostatic pressure.

Why?

- Permanent waterproofing solution
- Resists positive & negative pressure
- Safe for potable water
- Protects concrete & reinforcement
- Seals hairline cracks
- Multiple application methods

Usage

Suitable for water retaining structures like tanks, reservoirs, pools, canals, and treatment areas. Ideal for water-resisting structures like basements, terraces, foundations, tunnels, bridges, sea defense walls, jetties, and underground car parks.

How to use?

- Clean, damp, dust-free surface.
- Mixing: Add water to powder.
- Mortar: Mix PROXON CW, cement, sand.
- Application: Apply two coats.
- Curing: Keep damp 5-7 days.
- Protection: Avoid sun, frost, wind

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Application

Surface Preparation:

Ensure the surface is clean, free of dust, oil, grease, paint, or curing compounds. It must have an open capillary system and be pre-wetted without standing water. High-pressure water jetting is recommended. Fill static cracks with **PROXON CW** modified mortar before application.

Mixing:

Add 1 part water to 2-2.5 parts **PROXON CW** powder. For mortar, mix **PROXON CW**, cement, and sand in a 1:1:4 ratio, adding water for consistency. Use within 20 minutes.

Application:

Apply **PROXON CW** in two coats at right angles using a brush, broom, or spray. The second coat should be applied within 3-4 hours. Do not add water to thickened slurry—stir instead.

Coverage:

Surface coat - 1kg/m² per coat (minimum two coats). Dry shake - 2-3kg/m². Render coat - 3kg/m² at 4.5mm thick. Concrete admixture - 0.04% by cement weight (below ground).

Curing:

Keep damp for 5-7 days using mist spraying or polythene sheets. Protect from sun, frost, and wind. Tanks can be filled after 72 hours.

Precautions:

Do not apply below 5°C.

Packing

25 Kg bags/buckets

Shelf life

Can be stored in a cool, dry, shaded area. Shelf life is 12 months if protected from sunlight, extreme temperatures, humidity, and UV exposure. In tropical climates, store in a cooled environment.

Safety Measures

PROXON CW contains no hazardous substances. Wear protective gloves and goggles. Reseal containers after use. In case of skin or eye contact, rinse with water. If swallowed, seek medical help. Refer to MSDS for details.

Physical Properties

Appearance	Powder
Colour	Cement Grey
Standard Conforms to	ASTM E 329-95
Bulk Density	1.5 Kg/m ³ , Approx.

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Setting Time	2 Hours, Approx.
Penetration Rate	2mm / 7 Days
Particle Size	40 - 150 Microns
Compressive Strength	57.5 N/mm ²
Flexural Strength	10.3 N/mm ²
Application Temperature	5°C to 55°C

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