

PROXON AC COAT 400

PROXON AC COAT 400 is a pure acrylic elastomeric coating with a cross-linked polymer formula that protects concrete and masonry from carbonation, chloride attacks, humidity, and pollution, while providing a long-lasting, dust-resistant finish.



What

PROXON AC COAT 400 is a pure acrylic elastomeric coating designed to protect concrete and masonry surfaces from carbonation, chlorides, humidity, and pollution. It resists moisture ingress, extends structure life, and reduces dust pickup.

Why?

- Carbonation and chloride protection
- Breathable, moisture repellent
- Elastomeric crack bridging
- UV and color retention
- Algae and fungi resistance
- Chemical, gas resistant

Usage

PROXON AC COAT 400 is a protective, decorative anti-carbonation coating ideal for bridges, tunnels, industrial buildings, and RCC surfaces exposed to harsh conditions. Suitable for new or old concrete and masonry in repair applications.

How to use?

- Surface dry, dust-free
- Repair with Repair mortar
- Apply base primer
- Stir before applying
- Brush, roller, spray
- Two coats recommended

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Application

Surface Preparation:

Concrete and masonry surfaces must be at least 14 days old with moisture content below 5%. Ensure the surface is dry and free from dust, oil, grease, paint, or loose particles. Clean using wire brushing, grit blasting, or hydro jetting.

Repair:

Fill pinholes, blowholes, and minor undulations with **PROXON MULTIFILL**. Repair honeycombs and damaged sections with **PROXON PATCHREP FR**.

Priming:

Apply a primer coat using **PROXON AC COAT 400** diluted with 20% clean water. For aged or treated surfaces.

Mixing & Application:

Stir **PROXON AC COAT 400** well to achieve a uniform mix. Apply by brush, roller, or airless spray (0.021"-0.027" tip, 2100 psi). Apply two undiluted coats, first at 0.200 L/m², allow

5-6 hrs curing, then the second coat perpendicular for 240-micron DFT.

Cleaning:

Clean tools immediately with water.

Packing

20-liter packs.

Shelf life

Should be stored in a cool, dry, shaded area. Shelf life is 12 months if kept away from sunlight, humidity, and extreme temperatures.

Safety Measures

PROXON AC COAT 400 contains no hazardous substances, but standard safety precautions apply. Reseal containers after use and treat any splashes immediately with water. Always wear suitable protective gear during handling.

Physical Properties

Appearance	Viscous liquid
Colour	White/ light pigmented
Standard conforms to	ASTM E 96:2000
Density	1.1gm/cc
Solids content	60% ± 2% by weight
Adhesion to substrate ASTM D 4541	>1 N/mm²
Tensile strength ASTM D 638	>2 N/mm²

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Pull of strength	1.5N/mm ² (EN 1542)
Application temperature	5 °C to 50 °C
Reduction in chloride Ion ingress	97%@28 days
Water vapor transmission	26gms/m ² /24 hours
Artificial weathering	Pass after 2000hrs (EN 1062)
PH	9±1 @25°C
Brookfield viscosity	40000±1000 c/s @25°C
Elongation	>400%
Recommended DFT	240 microns @0.400L/Sqm
Touch dry	2 hrs at 25°C
Recoat able	6-8 hrs at 25°C
Full cure	7 days
Application temperature	10 to 50°C

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