

PROXON POLYURETHANE 600

PROXON POLYURETHANE 600 is a liquid-applied, moisture-cure polyurethane waterproofing membrane, forming a seamless, elastic barrier against water ingress. Conforms to ASTM C 836.



What

PROXON POLYURETHANE 600 is a liquid-applied, moisture-cure polyurethane waterproofing membrane. It forms a seamless, elastic barrier, providing long-lasting protection against water ingress. Conforms to ASTM C 836 specifications.

Why?

- Easy application, user-friendly
- Strong adhesion, water protection
- High elasticity, crack bridging
- Seamless and durable membrane
- Simple maintenance, easily repairable
- Suitable for various substrates

Usage

Used as a waterproofing membrane for concrete, metal, and asbestos roofs, bridges, basements, tunnels, and foundations. Ideal for commercial and industrial buildings, exterior surfaces, and areas with light vehicle or pedestrian traffic.

How to use?

- Surface must be clean.
- Repair cracks before application.
- Apply primer, then coats.
- Ensure proper curing conditions.
- Use catalyst in low temperatures.
- Clean tools with solvent.

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About

Surface Preparation: Ensure the surface is clean, dry, and free of contaminants affecting adhesion. Repair cracks and joints before applying **PROXON POLYURETHANE 600**. The substrate must be at least 5°C above the dew point for at least six hours after application.

Application Procedure:

Apply **PROXON PRIMER 600** and let it dry for an hour. Then, apply two to three coats of **PROXON POLYURETHANE 600** using a brush, trowel, or roller, with a minimum recoatable time of 12 hours. The recommended total DFT is 1.0–1.5 mm.

Curing time depends on ambient conditions. At low temperatures, add 400g of **PROXON Catalyst** to **PROXON PRIMER 600** (25kg).

Mix thoroughly. Use the mixed product within two hours. For durability, top the coating with cement screed for UV protection. Mix thoroughly before use.

Avoid washing the substrate with water. Clean tools with a suitable solvent immediately after use.

Packing

25 Kg Tin.

Coverage

Coverage of **PROXON POLYURETHANE 600** is 1.3–1.4 kg/m² for 1 mm DFT and 1.9–2.0 kg/m² for 1.5 mm DFT. Actual consumption varies based on surface porosity, reinforcement, temperature, and application method.

Physical Properties

Color and appearance	Grey
Specific gravity	1.30±0.05 @ 30 °C
Solid content	>90 %
Application Temperature	>5°C to <40°C
Recommended Dry film thickness	1.0 -1.5 mm
Elongation Break (ASTM D412 -90)	>600 %
Tensile strength (ASTM D412 -90)	> 4 MPa
Coverage	1.3-1.4 Kg/ m ² for 1 mm DFT
Shore A Hardness (ASTM 2240-86)	65
Water Permeability (BS EN 12390)	Pass

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Shelf Life

PROXON POLYURETHANE 600 has a 12-month shelf life from the manufacturing date if stored unopened in a cool, dry place. Proper storage ensures product quality and performance.

Safety

PROXON POLYURETHANE 600 is highly flammable. Keep away from ignition sources. Avoid skin contact; wear gloves and goggles. Wash splashes immediately. Ensure ventilation. For prolonged exposure, seek medical attention. Refer to MSDS for details.

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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.