WATERGUARD PU–804

Polyurethane-based waterproofing and heat-proofing coating

DESCRIPTION

Waterguard PU – 804 is a cold-applied, single-component, moisture-cured aliphatic polyurethane liquid membrane for waterproofing, heat proofing, and protective sealing.



MATERIAL DATA

Property	Details
Type	Polyurethane
Form	White
Packaging	20 kg or as required
Storage	12 months in unopened packaging, between 5°C and 35°C

SAFETY PRECAUTIONS

- Avoid breathing dust, fumes, gases, mist, vapours, or spray.
- Wear protective gloves and clothing, eye protection, and face protection.
- Wear respiratory protection if ventilation is inadequate.

USES

Waterguard PU – 804 is suitable for fixing:-

- Basement & Lean
- Roofs
- Masonry & Metal Surfaces
- Concrete

FEATURES AND ADVANTAGES

Category	Details listed in the sheet
Areas and surfaces	Wet areas, GRP, GRC, and concrete walls
Membrane properties	Highly elastic, high tensile strength, crack bridging, and a rubber-
Resistance	Resistant to oxidation and UV exposure
Durability and repair	Highly durable and easy to repair

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TECHNICAL DATA

Property	Value as printed	Test method
Specific gravity	1.1 + 0.05	ASTM D 1475
Tensile strength	> 8 N	ASTM D 412
Tear resistance	> 15 N	ASTM D 624
Shore hardness	A 70	ASTM D 2240
Elongation at break	> 600	ASTM D 412
Resistance to bacteria	No attack	ASTM D 4299
Resistance to algae	No attack	ASTM G 29
Service temperature	30 to 80°C	N/A

APPLICATION DETAILS

Surface Preparation

Substrate should be clean, free from dirt, dust, and all loosely adhering particles. Cement-based surfaces should be thoroughly saturated with water to achieve surface saturated dry condition. All cracks larger than 1mm should be filled with cement base concrete repair Steel surface should be grit blasted then clean by solvent and kept to dry.

Method of Application

Step	Instruction
1. Primer	Apply the Waterguard PU – 804 primer seal.
2. First coat	Apply one seal coat of Waterguard.
3. Optional reinforcement	For angle filling, use a single reinforcement sheet of fibre mesh or geotextile, depending on substrate porosity and tear-resistance requirements. The sheet specifies “120 gm” without an area unit.
4. Final layer	Apply the final layer at 0.6–0.7 mm.
5. Optional topcoat	Apply Waterguard as a topcoat for higher durability.

CURING

Time	Curing stage
2–4 hours	Touch dry
12–24 hours	Partial curing. The sheet states “subject to water test.”
48 hours	Complete curing

MATERIALS AND FORMULATION

All Raw Materials is imported from Germany, Dubai & China formulated in Pakistan

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