



AQUASEAL PUW

High-Solid PU-Based
Waterproofing Liquid
Membrane

Aquaseal PUW is a high-performance, single-component polyurethane-modified waterproof coating designed for both vertical and horizontal surfaces. It combines excellent flexibility, anti-fungal, and anti-bacterial properties, making it an ideal solution for long-lasting waterproofing. This product is UV-stable and durable, ensuring protection against harsh weather conditions.

Applications

- **Roof Slabs and Terraces:** Ensures long-term waterproofing for large areas.
- **Balconies and Parapet Walls:** Protects against water seepage.
- **Sun Shades and External Walls:** Dual-purpose waterproofing and decorative coating.
- **Metal and Aluminum Sheds:** Offers additional waterproofing and surface protection.
- **New Surfaces and Repairs:** Ideal for treating previously coated or untreated areas.

Technical Characteristics (At 30°C, 60% RH)

Property	Values	Test Standards
Color	White	-
Density	1.30 ± 0.05 g/ml	ASTM D 1475
Solid Content	62 ± 2%	ASTM D 1644
Tensile Strength	>2 N/mm ²	ASTM D 638
Elongation	>400%	ASTM D 638
Crack Bridging Ability	>1.5 mm	ASTM C 836
Hydrostatic Head Pressure	Nil @ 5 bar	BS 12390
UV Resistance	Pass @ 100 hrs	ASTM G 154
Application Temperature	10°C to 50°C	-
Service Temperature	-5°C to 90°C	-

Advantages

- **Ease of Application:** Single-component system, applied cold without the need for heating or special equipment.
- **Lightweight Solution:** Reduces structural load compared to traditional systems.
- **Seamless Protection:** Creates a joint-free, uniform layer across the surface.
- **Cost-Effective:** Low labor and material costs with quick application and curing.
- **Versatile Bonding:** Adheres well to a variety of building materials.
- **UV-Stable and Heat-Resistant:** Suitable for areas exposed to sunlight and high temperatures.
- **Durable Protection:** Enhances the lifespan of structures with high resistance to wear and tear.



Coverage

1.35 to 1.7 kg/m² in 2-3 coats to achieve a 1-1.2 mm dry film thickness.

Coverage may vary based on substrate condition and site application.

Application Process



- 1. Surface Preparation:** Ensure the surface is clean, dry, and free of dust, oil, and other contaminants. Repair cracks up to 2 mm with Aquaseal PUW itself; larger cracks should be treated with polymer-modified putty.
- 2. Primer Application:** Use a compatible primer to prepare the surface for optimal adhesion.
- 3. Coating Application:** Apply Aquaseal PUW using a brush, roller, or spray. Ensure perpendicular application for each coat to achieve uniform coverage.
- 4. Curing:** Allow 72 hours for full curing to achieve maximum mechanical properties.



Packaging

Available in 1 kg, 5 kg, and 20 kg pails.



Storage and Shelf Life

Store in a cool, dry place away from direct sunlight. Shelf life: 18 months in unopened packaging under recommended storage conditions.

Safety Precautions

1. Use gloves and goggles during application.
2. Avoid inhalation or contact with skin and eyes.
3. In case of accidental ingestion or contact, seek medical attention immediately.

