



AQUAGUARD Universal Pro

High-Solids Elastomeric Acrylic Waterproofing Membrane (Silicone Enhanced)

Product Description:

Aquaguard Universal Pro is a high-performance, high-solids elastomeric waterproofing membrane based on advanced acrylic co-polymer technology with integrated silicone hydrophobic enhancement. It forms a seamless, flexible, UV-resistant waterproof barrier for roofs, terraces, steel sheets, and external structures. Designed for membrane-grade performance, it delivers superior crack-bridging, low water absorption, and long-term durability under harsh climatic conditions.

Key Features & Benefits:

- High solids → thicker dry film per coat
- Excellent crack-bridging capability
- Silicone-enhanced water repellency
- Low dirt pick-up
- Low VOC, water-based, eco-friendly
- Strong adhesion to concrete and primed metal surfaces
- Excellent UV and weather resistance
- Seamless, joint-free membrane

Areas Of Application:

- RCC roofs and terraces
- Parapet walls and sunshades
- Balconies and podium decks
- External walls and facades
- Wet areas (under tile systems)
- Repair and refurbishment of old waterproofing systems
- Metal / steel roofs (GI sheets, corrugated sheets, structures)

Surface Preparation:

Concrete / Masonry Surfaces

- Ensure surface is clean, sound, dry, and dust-free
- Remove all loose particles and contaminants
- Repair cracks > 0.5 mm before application

Steel / Metal Surfaces

- Remove rust, oil, grease, and loose coatings
- Prepare surface using wire brushing, sanding, or blasting
- Ensure substrate is clean and completely dry
- Apply anti-corrosion primer (mandatory) before coating



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Mixing Instructions:

Single-component product – no mixing of multiple parts required
 Stir thoroughly before use to ensure uniform consistency

For priming on concrete:

Dilute with 10–15% clean water

Application Guidelines:

Concrete / Masonry Surfaces

- Prime the surface, dilute with 10–15% clean water
- Embed fiberglass mesh (45–60 GSM) in first coat.
- Apply 2–3 additional coats.

Steel / Metal Surfaces

- Apply anti-corrosion primer. (apply Aquaguard over epoxy primer within 48 hrs)
- Embed fiberglass/polyester mesh (45–60 GSM) in first coat
- Reinforce critical areas (joints, overlaps, fasteners)
- For membrane application, apply first coat (0.6–0.7 kg/m²), embed mesh at critical areas.
 Apply 1–2 additional coat.

Coverage/ Consumption:

Primer	: 0.2 – 0.3 kg/m ²
Coating (per coat)	: 0.6 – 0.75 kg/m ²
Total System	: 1.5 – 2.0 kg/m ²

Curing & Protection:

Ensure an application temperature of 10°C – 45°C

Touch Dry	: 30-60mins
Recoat time	: 3-4 hours
Full Cure	: 5-7days

Packaging:

Aquaguard Universal Pro is available in 20 kg pails.

Storage & Shelf life:

Store for up to 12 months in unopened packaging. Keep in cool, dry conditions away from frost and moisture and direct sunlight.



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Health & Safety:

Avoid skin and eye contact. Use gloves, goggles, and protective clothing.
 Refer to the Safety Data Sheet (SDS) for full handling and disposal information.

Technical Data:

Property	Value
Appearance	Smooth viscous liquid
Color	White/ Grey/ Custom
Volume solids	50-52%
Density	1.28 – 1.32 kg/L
Weight Solids	62 – 64%
pH	8.5 - 9.0

Performance Properties:

Property	Value
Crack Bridging	1.2 – 1.5 mm
Ponding Water Resistance	Excellent (short-medium term)
Water Absorption	Very Low
Durability	7 – 10+ years
UV Stability	Excellent
Heat Reflectivity (White)	Up to 70%

Note:

- Not suitable for negative pressure waterproofing
- Not for permanent water immersion
- Not trafficable without protection
- Steel application requires mandatory primer

