



HYDROBLOC
BUILT ON PERFORMANCE

Aquaguard Universal Pro Ceramic

1

High-Solids Elastomeric Waterproofing & Thermal Insulating Membrane

Product Description:

HYDROBLOC-Aquaguard Universal Pro Ceramic is a premium-grade, high-solids elastomeric waterproofing membrane enhanced with ceramic microsphere technology for combined waterproofing and thermal insulation performance. It forms a seamless, UV-resistant membrane that reduces heat transfer, lowers surface temperatures, and provides long-term protection against water ingress and weathering.

Key Features & Benefits:

- Waterproofing and thermal insulation in one system
- Ceramic microspheres reduce heat transfer
- Excellent crack-bridging capability
- High UV and weather resistance
- Silicone-enhanced water repellency
- Low dirt pick-up characteristics
- Seamless, flexible membrane
- Improves building energy efficiency

Areas Of Application:

- RCC roofs and terrace slabs
- Podium decks and balconies
- Sunshades and exposed concrete surfaces
- GI sheets and metal roofing systems
- Industrial sheds and warehouses
- External walls and facades
- Boundary walls and parapets
- Commercial and industrial buildings

Surface Preparation:

Concrete & Masonry

- Surface must be sound, clean, and free from contaminants
- Remove dust, laitance, grease, and loose material
- Repair cracks and surface defects prior to application

Metal Roofs

- Remove rust, loose coatings, oil, and grease
- Prime with suitable anti-corrosion primer before application

Mixing Instructions:

Product is supplied ready to use. Stir thoroughly before application. Do not dilute except when used as primer. For concrete priming, dilute with 10–15% clean water

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2

Application Guidelines:

Primer Coat

- **Concrete Substrates:**
 1. Dilute with 10–15% clean water
 2. Apply uniformly over prepared substrate
- **Metal Substrates:**
 1. Apply epoxy or zinc phosphate primer

Membrane Application

- Apply using brush, roller, or airless spray
- Apply 2–3 coats uniformly
- Allow 4–6 hours between coats
- For critical waterproofing, embed fiberglass mesh into first coat
- Apply subsequent coats to fully encapsulate reinforcement

Coverage/ Consumption:

Application Stage	Coverage
Primer Coat	0.20 – 0.30 kg/m ²
Per Coat	0.60 – 0.75 kg/m ²
Total System	1.50 – 2.00 kg/m ²

Approximate Dry Film Thickness:

Total Consumption	DFT
1.5 kg/m ²	600 – 700 microns
2.0 kg/m ²	800 – 1000 microns

Curing & Protection:

Touch dry : 30–60 minutes

Recoat after : 4–6 hours

Full cure : 5–7 days

Protect from rain until membrane develops initial cure. Avoid traffic until fully cured.

Application temperature: 10°C – 45°C.

Packaging:

Aquaguard Universal Pro Ceramic is available in 20Kg pails.



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3

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.

Health & Safety:

The product is water-based and non-flammable. Use gloves, goggles, and appropriate PPE. Avoid prolonged skin contact. Refer to the Safety Data Sheet (SDS) for full handling and disposal information.

Technical Data:

Property	Typical Value
Appearance	Smooth viscous liquid
Colour	White
Density	1.20 – 1.30 kg/L
Volume Solids	50 ± 2 %
Weight Solids	60 – 65 %
pH	8.5 – 9.0
Elongation at Break	170 – 230 %
Tensile Strength	1.2 – 1.8 MPa
Crack Bridging	Up to 1.3 mm
Tear Resistance	20 – 35 N/mm
Shore A Hardness	50 – 60
Water Absorption	< 5 %
Water Permeability	No leakage at recommended DFT
UV Resistance	Excellent
Alkali Resistance	Excellent
Service Life	7-10+ years
Thermal Insulation Contribution	Excellent