



Aqua Seal

Under Tile Waterproof Membranes

Pack Size

23Kgs, 20Kgs & 10Kgs.

TDS

Technical Data Sheet



Product Description

Aqua Seal is a single-component coating based on water-dispersed acrylic resin, specifically designed for the protection and waterproofing of bathrooms, balconies, roof terraces, and walls. It provides a smooth, colored finish.

Uses

Aqua Seal is used as a protective, decorative, and waterproofing coating for concrete, mortar, brick, and stone facades.

Features and Benefits

- Highly flexible and durable.
- Self-cleaning with low dirt retention; resists fungi and algae growth.
- Available in a large range of durable colors.
- Vapor permeable, allowing the facade substrate to breathe.
- Prevents chloride ion, sulfide ion, and carbon dioxide attack.

Advantages

- Fiber reinforced, offering excellent strength and eliminating the need for a reinforcing mat.
- Flexible, accommodating normal building movement.
- Advanced acrylic formulation that will not re-emulsify.
- Designed for tiling and fully compatible with CLI-tile system adhesives.
- Water-based, low odor, and easy to clean, suitable for under-tile waterproofing in shower recesses.
- Conforms to the requirements of AS/NZ 4858:2004 Wet Area Membranes.

Substrate Preparation

Exposed Concrete Without Old Coatings

- The surface must be clean, sound, dry, and free from loose or friable particles. Suitable preparation methods include steam, high-pressure water jetting, or blast cleaning.

Exposed Concrete With Old Coating

- Old coatings must be tested for adequate adhesion to the substrate (adhesion test average > 0.8 N/mm with no single value below 0.5 N/mm).
- If there is inadequate adhesion, old coatings must be completely removed by suitable methods, and the substrate must be sufficiently sound and prepared before coating.
- If there is adequate adhesion, thorough cleaning of all surfaces is required by steam cleaning or high-pressure water jetting.

Mixing

Aqua Seal is supplied ready for use. Stir thoroughly prior to application. For use on very absorbent substrates, add up to a maximum of 10% water and stir well prior to use.

Application Methods

Aqua Seal can be applied by brush, short pile roller, or airless spray. The second coat should be applied in a crosswise direction to achieve optimum opacity.

Characteristics

Chemical Base	Filled acrylate resin dispersion
Density	~1.40 kg/l (at +20°C)
Solid Volume	: ~68% by volume
Solid Content	: ~55% by weight
Tensile Strength (AS1145):	o After 28 days dry: ~1.0 MPa o After 14 days UV exposure: ~0.5 MPa
Water Vapour Transmission	at 1.0 mm ~21.9g/sq mtr/24 hrs
Elongation at Break (AS 1145)	After 28 days dry: ~200%
Overcoat Time:	~8 hrs @ 23°C, 50% RH
Application Temperature	☐ : ~10°C - 35°C (Surface Temp)
Service Temperature: ~	☐0°C - 60°C

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Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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