

# Aquaflex™ Clear

AQUAFLEX CLEAR Waterproofing Membrane is a class 2 waterproofing membrane. It is transparent single-pack co-polymer emulsion combined with a synthetic rubber latex emulsion. Engineered to function as a UV-resistant, transparent waterproofing barrier, this membrane is specifically designed to be applied over existing tiled surfaces to create a waterproof barrier without necessitating the removal of the original tiles. AQUAFLEX CLEAR is characterised by its toughness, durability, flexibility, and foot traffic compatibility, all in a glossy transparent finish. This membrane is particularly suitable for areas where retaining the original substrate appearance is desired, such as tiled shower areas, balcony decks, podium levels, and face brick walls. It is essential to perform compatibility testing before application. AQUAFLEX CLEAR complies to AS4654.2 2012.

## COLOUR

Transparent

## PACKAGING (weight)

4L Tub + 10L Tub

## CHARACTERISTICS / USES

AQUAFLEX CLEAR is a transparent foot trafficable over tile top coat waterproofing membrane / coating. Suitable areas include:

1. Tiled balconies, courtyards, terraces etc
2. Wet areas such as showers
3. Waterproofing of terracotta tiles and pavers
4. Top coating / Sealing of timber floors
5. Sealing sandstone surfaces
6. Face brick walls

## SUITABLE FOR THE FOLLOWING SUBSTRATES

Suitable surfaces that have been properly cleaned and prepared include but are not limited to:

Do not apply onto substrates with surface temperatures under 10° celsius.

- Tiles
- Timber
- Pavers
- Most masonry surfaces
- Concrete
- Terracotta
- Bricks

## AQUAFLEX CLEAR ADVANTAGES

- Meets the "Green Star Environmental" criteria.
- AQUAFLEX CLEAR is classified as non-hazardous and non-flammable.
- Low VOC.
- Tough and durable and low yellowing.
- AQUAFLEX CLEAR is a waterproofing top coat membrane, not a penetrating clear sealer.
- Can be applied to tiles and pavers.
- Great for leaking showers and balconies.
- Solves waterproofing problems to tiled areas without removing tiles.
- Dries transparent with a gloss finish.
- Does not re-emulsify after proper curing.
- Once cured AQUAFLEX CLEAR is foot trafficable.
- Easy application by trowel, brush or roller.
- Single pack and easy to use.
- Can be exposed to sunlight.
- Can be made slip resistant by adding silica sand to the second coat.
- Good bonding to most surfaces (testing is highly recommended).



## SURFACE PREPARATION

### Surface inspection and repair

- Inspect all surfaces intended for waterproofing to ensure they are devoid of voids, cracks and protrusions.
- Verify the surface's integrity, assessing its stability, soundness and structural condition.
- Eliminate any compromised, loose, or damaged grout between tiles, ensuring their complete removal.
- Tiles exhibiting cracks must be promptly replaced to maintain the surface's integrity.

### Surface Cleaning:

- Prior to waterproofing, surfaces must be absolutely dry, clean, and free from dust, grease, or any other loose, flaking or friable material.
- Employ stiff bristle brushes, scrapers, and vacuum equipment to comprehensively clean surfaces, eliminating laitance, debris, dust and any other forms of contamination.

### Crack Repair:

- Address any existing cracks in concrete, render, or screeds by utilising suitable repair mortars or MS Polymer joint sealants.
- Cracks in tiles should be meticulously repaired by replacement, ensuring the new tiles are securely affixed.

### Moss & Mould Treatment

- Eradicate moss and mould through the application of a solution comprised of household bleach diluted with water (1 part bleach to 2 parts water).
- Ensure complete coverage, allowing the solution to eliminate spores and inhibit future growth.
- Thoroughly rinse the substrate with clean water, guaranteeing all traces of bleach are removed.
- Facilitate thorough drying of the substrate..

### Grease Removal and Drying

- For surfaces tainted by grease or similar substances, use suitable detergents for thorough cleaning.
- Carefully rinse the detergent off, followed by a comprehensive rinse with clean water.
- Assure the surface is entirely dry, followed by a comprehensive rinse with clean water.
- Assure the surface is entirely dry, devoid of dampness or moisture.

### Surface Preconditioning

- In all cases, the success of waterproofing hinges on a meticulous and comprehensive surface preparation process, warranting optimal adhesion and performance of subsequent coatings.

## APPLICATION

- Use trowel, roller or brush for application
- Fill missing grout areas with a scraper and trowel for proper penetration on uneven surfaces.
- Neat application (undiluted) is recommended with a trowel.
- Apply the first coat with a mohair roller for optimal results.
- Allow minimum 4 hour intervals between coats.
- Full cure after final coat takes 5-7 days at 25° C and 50% R.H.
- Apply all coats within 48 hours to prevent contamination.
- 2-3 coat system.
- Minimum dry film thickness 0.5mm (500 microns) over joints, grout lines, mortar, concrete, and level surfaces.
- 0.2mm (200 microns) over tiles.

## COVERAGE

- Coverage rate varies due to factors like humidity, climate, surface texture, and technique.
- 1kg neat covers about 3msq in 3 coats.
- Porous surfaces use more material; consider multiple thin coats for better adhesion.

## DRYING & CURING

Drying and curing of the product will depend on the porosity of the surface, temperature, humidity, climate conditions, application technique and therefore can vary thus our information is only been given as a guide.

**Allow a minimum of 4 hours between coats and 5-7 days full cure after final coat at 25°C and 50% R.H.**

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## PROPERTIES

Appearance	Transparent Liquid	Vapour Pressure @25°C	3.8 KPa
Odour	Odour Free	Solid Content	45%
Chemical Resistant	Good	Elongation at Break	100%
Toxicity	Dry film is not toxic	Tensile Strength	1.5mpa
Waterproof Time	3 Hours at 25°C & 50% R.H.	Touch Dry Time Min	120 minutes
Coverage	3m2 to 1kh depending on surface	Full Cure	72-120 Hours
Usable period after opening	12 Months	Application Temp	10 -26° C
		Shelf Life	12 Months

Coverage drying and curing rates are given as a guide only as they can be affected by surface porosity, humidity, temperature, climate conditions, ventilation, application technique and dry film thickness. Improper storage may result in instability of product.

## LIMITATIONS

Always do a compatibility test prior application.

Water Ponding: We recommend AQUAFLEX CLEAR Waterproofing Membrane to be laid in floors that provide positive falls to drainage to eliminate ponding.

### Curing and Temperatures

- AQUAFLEX CLEAR must be applied to a dry surface which is free from dampness
- Do not apply if rain threatens
- Apply in temperatures between 10-25 degrees celsius
- Rate of cure will be inhibited when air or substrate temperatures are below +10 degrees celsius and / or moisture content of the surface.

### Trafficability

AQUAFLEX CLEAR can withstand general foot traffic. However, as the membrane is flexible, it can be damaged by point loads, heavy weights, sharp objects, scuffing, dragging items across the surface and general excessive abuse and should be protected against these. It is NOT suitable for vehicle traffic.

### Staining, Texture Finish and Cloudy Finish

As we are unable to test for all manner of stains and sources of stains, as a precaution given that the membrane is clear and is most likely more susceptible to showing stains than a coloured coating, the membrane should be protected from possible sources of stains such as chemicals, dyes, leaves, certain wines etc. Spills should be immediately cleaned with a suitable detergent.

Rollers, brushes and trowels applicator may leave a texture finish to the membrane.

Once applied, if a cloudy film is present, whilst still wet rub the area using a brush allowing it to go clear and then re-coat.

### Desire for a clear finish:

As a clear finish is desired, some conventional methods of preparation, priming, reinforcing and sealing of joints, gaps and corners are inappropriate and their omission may render some applications where movement in joints, corners and cracks are excessive substantial or beyond the capability of the membrane unsuitable.

Rising Damp : AQUAFLEX CLEAR is not a vapour barrier and is not designed to stop hydrostatic negative pressure.

Not compatible with : Silicon and chlorine based products.

## CLEAN UP

- Wash all equipment and clean wet spills with soapy water prior to drying.
- Once dry it is difficult to remove and mechanical means may be necessary.
- DO NOT discharge into sewer or waterways.
- DO NOT allow wash water from cleaning or process equipment to enter drains.

## STORAGE

- When stored in an unopened container in a cool (10 -24°C, dry environment and stored above ground level, AQUAFLEX CLEAR will have a shelf life of approximately 12 months.
- Always mix well before use.



## CONDITIONS OF USE AND PRODUCT DISCLAIMER

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