

**VersEseal IWP 100 is a water-based, modified polyurethane acrylic waterproofing membrane designed for high-performance use under tiles and vinyl in both internal and external applications.**

This environmentally friendly, solvent-free membrane provides excellent adhesion to a wide range of substrates and forms a tough, flexible film that cures rapidly, allowing tiling to commence in as little as 4 hours. Ideal for wet areas such as bathrooms, balconies, and decks, VersEseal IWP 100 meets the AS4858:2004 standards of a Class III membrane and offers long-lasting protection for tiled and resilient floor surfaces.

## USES

VersEseal IWP 100 is designed for waterproofing in a variety of internal and external applications where tiled or resilient floor coverings will be installed. It is ideal for use in:

- Bathrooms
- Wet areas
- Balconies
- Decks
- Shower recesses
- Laundry rooms

VersEseal IWP 100 provides excellent adhesion to a wide range of substrates, including:

- **Concrete:** Must be cured for a minimum of 28 days and thoroughly dry prior to application. The moisture content of concrete should be tested in accordance with AS1884:2021, prior to the installation of resilient flooring.
- **Renderers and Screeds:** Require a minimum curing time of 7 days. Wet render should be allowed to dry thoroughly.
- **Fibre-cement Sheets:** Suitable for wet

area grades only.

- **Plywood:** Suitable for structural plywood (PAA branded), marine grade, or other wet area grade only.

This versatility ensures the membrane can be used effectively across a range of projects, providing long-lasting waterproof protection.

## ADVANTAGES

- **Rapid Cure Time:** Allows tiling over in as little as 4 hours.
- **Tough, Flexible Film:** Provides durable, long-lasting protection.
- **Excellent Adhesion:** Bonds well with a variety of substrates, including concrete, fibre-cement, and plywood.
- **Environmentally Friendly:** Water-based and solvent-free, making it safe for confined spaces.
- **Class III Membrane:** Complies with AS/NZS 4858 standards for wet area membranes.
- **Versatile Application:** Suitable for internal and external use in wet areas, balconies, and decks.
- **Compatible with VersEseal Tile Adhesive:** Ensures strong adhesion under tile and resilient flooring.
- **Fast Drying:** Ideal for projects with tight timelines, especially on decks and balconies.
- **Non-Toxic:** Safe for use in confined or poorly ventilated areas.

## STANDARDS COMPLIANCE

VersEseal IWP 100 Under Tile Waterproofing Membrane is tested and approved to AS 4858:2004 as a Class III Water Proofing Membrane as specified in AS 3740:2021.

## APPLICATION

### Health and Safety

VersEseal IWP 100 is water based however, gloves, eye protection and overalls are recommended. Please read the full Safety Data Sheet before use.

## Mixing

VersEseal IWP 100 should be thoroughly mixed to a uniform consistency.

## Primers

Use VersEseal Porous Primer prior to coating fibre cement sheeting, concrete, MGO board and wet area substrates.

Use VersEseal Non-Porous Primer prior to coating tiles, plastics, and non-porous surfaces.

## Corners and Coving Areas

After priming and allowing to dry, mobile joints should be treated in accordance with **AS 3740**. To do this, apply a generous 12mm bead of neutral cure silicone sealant to seal all junctions between substrates in coving areas, corners, and vertical joints. Smooth the silicone so it extends 6mm up the wall and 6mm across the floor and allow it to touch dry.

Next, apply the first coat of VersEseal IWP 100 at 0.75mm wet thickness along the joints. Lay VersEseal Geo Textile into the wet coating, ensuring it is smooth with no creases or air bubbles. Immediately apply a second coat of VersEseal IWP 100 at 0.75mm wet thickness over the Geo Textile, achieving a total wet coating thickness of 1.5mm.

Apply a coating of VersEseal IWP 100 to the entire area to be waterproofed using a brush or roller, a medium nap (8–12mm pile) or 50mm long bristle paint brush is recommended. This first coat should be applied at 0.75mm (wet film thickness) to provide a 0.5mm dry film thickness. Allow to dry. Recoat time is approximately 1-2 hours.

Apply a second coat of the VersEseal IWP 100 at a thickness of 0.75mm (wet film thickness) to provide a dry film thickness of 0.5mm. This will provide a total dry film thickness of 1mm.

Tiling can begin once the second coat has fully dried which is generally 4 hours at 25°C for

under tile applications. Drying times will vary depending on humidity, surface temperature and porosity of substrates.

For resilient flooring applications, allow the second coat of VersEseal IWP100 to cure for 18 – 24 hours at 25°C and 50% humidity prior to the installation of a suitable water based smoothing compound.

## Drying Times

The recoat time between the first and second coats is 1–2 hours. On flat surfaces under standard conditions, drying time is approximately 4 hours at 25°C and 50% relative humidity. However, drying will take longer in areas where VersEseal IWP 100 is applied over a neutral cure silicone bond breaker or where reinforcement is used, especially in corners and junctions.

## COVERAGE

Coverage will vary depending on the porosity of the substrates. A minimum of two coats are recommended for optimum performance.

A 12.5kg unit (9 Litres) will cover approximately 6m<sup>2</sup> on primed fibre-cement sheet floors and walls.

## PACKAGING

VersEseal IWP 100 Under Tile Waterproofing Membrane is available in a 12.5kg (9 litres) bucket.

## SHELF LIFE

The shelf life is 12 months when stored in the original, unopened packaging in a dry environment out of direct sunlight at 23°C with 50% relative humidity.

## CLEANING

Clean hands, brushes, and rollers with water while the product is still wet. For cured material, use mineral turpentine.

## LIMITATIONS

All surfaces must be structurally sound, dry (less than 10% moisture) and free from all surface contaminants.

Do not use VersEseal IWP 100 under the following conditions:

- Areas subject to negative hydrostatic pressure or rising damp.
- Wet substrates or green screeds/concrete
- Surface temperatures below 10°C or greater than 35°C
- Humidity greater than 70%
- Do not expose to prolonged UV conditions or extended unprotected exposure externally. Where the membrane is to be left uncovered for a period of time, it must be protected from contamination and damage.

Before any substrate preparation, installation or finishing methods relating to VersEseal products are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

## PROPERTIES

### Physical Properties (Liquid)

Property	Typical Results
Colour	Light Purple

### Performance Data (Cured Membrane)

Property	Typical Results
Tensile Strength (AS 1145)	3.0MPa
Elongation, %	450%
Water Vapour Transmission (AS/NZS 4585 / ASTM E96)	0.52g/24hrs/m <sup>2</sup>
Cyclic Movement	Pass
Durability (AS/NZS 4858)	Pass
Heat Aging	Pass
Immersion in Bleach	Pass
Immersion in Detergent	Pass

**Important:** A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) for each specific product is available on the VersEseal website. Please thoroughly review the SDS and TDS before using these products, as application or performance information may undergo occasional updates. In case of an emergency, seek guidance from the Poison Information Centre (Call 13 11 26 within Australia) or consult a medical professional.

**Product Disclaimer:** This Technical Data Sheet (TDS) represents our most current understanding of the product, its usage, and application based on available information at the time. We urge you to thoroughly review the TDS and consider its contents in the context of how you intend to use the product, including any interactions with other products and the specific surfaces and methods of application. Our responsibility for products sold is governed by our standard terms and conditions of sale. LRM Products disclaims any direct or indirect liability for any losses incurred in connection with the use or application of the product, regardless of compliance with any advice, specifications, recommendations, or information provided by us.



QUALITY ASSURED COMPANY BY ISO 9001:2015  
REGISTRATION NUMBER Q22327

**LRM Products Pty Ltd**  
4/2 Link Drive  
Yatala Qld 4207  
Ph: 1300 891 576  
[www.verseseal.com.au](http://www.verseseal.com.au)  
[info@lrmproducts.com.au](mailto:info@lrmproducts.com.au)

