

Keratrade

WPM

Class III waterproofing membrane

Certified, eco-friendly, organic, water-based, waterproofing product for substrates in damp environments. Single-component with very low volatile organic compound emissions.



X TecGen
CERTIFIED CLASS III MEMBRANE
AS/NZS 4858 / AS 4654.1

TDS

TECHNICAL DATA SHEET

Uses: **Internal / External**
Coverage: **12.5m² (2 coats)**
Between coats: **4 hrs**
Before tiling: **24 hrs after 2nd coat**
Work time: **45 min @25°C**
Clean Up: **water**
App Temp: **10-35°C**
VOC Rating: **<1g/L**
(US RULE 1168)
Size: **19.5 KG**

Keratrade WPM is a single-component, eco-friendly, water-based waterproofing membrane designed for use on substrates in damp environments. Featuring very low volatile organic compound (VOC) emissions, this product meets rigorous safety and sustainability standards. Keratrade WPM complies with AS/NZ 3740, AS/NZ 4858, and AS/NZ 4654.1, ensuring superior performance in both internal and external waterproofing applications. Its high elasticity (900% elongation), chemical stability, and seamless application process make it ideal for residential and commercial wet areas, external balconies, rooftops, and podium levels. While it excels in these environments, it is not suitable for immersed applications (such as pools or spas) or areas subjected to negative side hydrostatic pressure.

FEATURES & BENEFITS

- Certified & Environmentally Friendly:
- Complies with AS/NZ 3740, AS/NZ 4858, AS/NZ 4654.1 standards.
- Eco-friendly, organic, and water-based formulation with very low VOC emissions.

PERFORMANCE STRENGTHS:

- High elasticity with 900% elongation, ensuring durability against structural movement and cracks.
- Chemical stability for long-term waterproofing performance.
- Supports bonded screeds and subsequent installation of ceramic, porcelain, and natural stone tiles.

WIDE COMPATIBILITY:

- Adheres to a range of substrates, including concrete, cement-rendered masonry, fiber-cement sheeting, water-resistant plasterboard, and structural plywood (Type A Stamped "PAA JAS-ANZ" to AS/NZS 2269-2004).
- Compatible with various adhesive types, including mineral adhesives, cement-based adhesives, reactive-epoxy, and polyurethane two-component adhesives.

EASE OF USE:

- Simple application using a roller, brush, or trowel.
- Two-coat system ensures consistent thickness & optimal performance.
- Quick drying for efficient project timelines (full cure in 24 hours; flood testing after 72 hours).

APPLICATIONS

- Internal Wet Areas: Waterproofing of showers, bathrooms, kitchens, laundries, and toilet areas to AS/NZ 3740.
- External Applications: Balconies, rooftops, and podiums to AS/NZ 4654.1.
- Tile Waterproofing: Provides a robust waterproofing layer under tiles, compatible with a wide range of adhesives and tile types.
- Damp Substrates: Suitable for smooth, compact, and absorbent surfaces when properly primed.

LIMITATIONS

- Not recommended for immersed applications (e.g., pools or spas) or negative side hydrostatic pressure.
- Should not be applied to exposed areas without protective coverings.

SURFACE PREPARATION

Ensure Substrate Readiness:

1. Substrates must be:
 - Structurally sound, smooth, and free of voids or protrusions.
 - Clean, dry, or damp (no free-standing water).
 - Free from contaminants, including oils, grease, adhesive residues, and curing agents.

2. SPECIFIC SUBSTRATE REQUIREMENTS:

- New Concrete & Renders: Must cure for a minimum of 28 days.
- Screeds:
 - Sand & cement screeds and polymer-modified renders: Minimum cure time of 7 days.
 - Keratrade KeraScreed Structural: Minimum cure time of 24 hours.
- Non-smooth substrates must be mechanically ground & vacuum.

3. PRIMING:

- Porous Substrates: Apply Kerakoll or Keratrade porous primer.
- Non-Porous Substrates: Use a non-porous primer and ensure proper surface preparation through mechanical abrasion if needed.

BOND BREAKER & MEMBRANE INSTALLATION

1. BOND BREAKER APPLICATION:

- Use Keratrade UltraSeal Flex25, or Keratrade, or Kerakoll Tapes at all changes in substrate direction.
- Bond breaker joints must be a minimum of 12mm x 12mm.

2. MEMBRANE APPLICATION:

- Apply membrane as soon as the bond breaker is ready for overcoating.
- Use a wet film gauge to ensure adequate thickness during application.

COVERAGE & THICKNESS

Coverage Finished Dry Film Thickness
15L Pail (2 coats)~12.5m²

Total finished DRY film thickness (2 coats)		Total finished WET film thickness (per coat)	
Floors	0.9 mm	Floors	0.75mm
Walls	0.6mm	Walls	0.5mm

Item Code: WPM-19.5KG

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keratrade.com.au

CALL: 1300 NO HARM (1300-66-4276)

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Store the product securely, and check with your local council regarding the disposal of contents. Dispose of packaging thoughtfully and recycle where possible. Keep out of reach of children. If you feel unwell, consult a doctor. For more information, refer to the Safety Data Sheet (SDS) available at www.buildgreen.au

GUARANTEE

BuildGreen guarantees that Keratrade Products are free from manufacturing defects and will meet any applicable specifications published by us for a period of 10 years from the date of purchase. Refer to the BuildGreen Guarantee.

DISCLAIMER

The technical details and recommendations are provided based on the best knowledge at the time. It is the user's responsibility to ensure the correct use and handling of the products in line with applicable Australian Standards. Users should verify that the product is appropriate for their specific applications and meets system specifications. We reserve the right to change information without prior notice as part of ongoing research and development.

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APPLICATION GUIDELINES

1. PRIMING: Ensure the substrate is properly primed based on porosity:

- Porous substrates: Apply porous primer to improve adhesion.
- Non-porous substrates: Prepare mechanically and apply non-porous primer.

2. MEMBRANE APPLICATION:

- Apply evenly using a roller, brush, or trowel.
- Allow 2 hours drying time between coats (at 20°C and 50% relative humidity).

3. FLOOD TESTING:

- Wait 72 hours after final application before conducting flood tests.

MAINTENANCE & CLEANING

- Clean tools with water immediately after use.
- Inspect regularly for damage and repair promptly by overlapping the existing membrane.

PACKAGING & STORAGE

- Packaging: 15L plastic pails.
- Storage: Keep in a cool, dry place between 5°C and 30°C, away from sunlight and frost.
- Shelf Life: 12 months unopened under proper storage conditions.

SAFETY PRECAUTIONS

- Wear appropriate PPE, including gloves and goggles, during application.
- Ensure adequate ventilation in enclosed spaces.
- Avoid ingestion or contact with skin and eyes. For emergencies, follow safety guidelines as per the SDS
- For detailed guidance, refer to the Technical and Safety Data Sheets or contact Keratrade customer support.