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# ARDEX WPM 155

## *Rapid Plus*

### **Professional Engineered Undertile Membrane**

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Express Dry Time - Tile bathrooms in 4 hours

Crack Isolation protection

Ardex STB Tape and Liquid Membrane System

Modified polyurethane acrylic waterproof membrane

Internal and External Use

Excellent adhesion with ARDEX tile adhesives

Environmentally friendly – solvent free, suitable for confined areas

Class III Membrane – as per AS/NZS 4858 Wet Area Membranes

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# ARDEX WPM 155 *Rapid Plus*

## Professional Engineered Undertile Membrane

### DESCRIPTION

Water-based polyurethane-acrylic hybrid waterproofing membrane developed for high performance undertile waterproofing.

- Express dry time with bathroom tiling possible in just 4 hours, with no risk to corners and junctions
- Crack Isolation protection over shrinkage, hairline and other non-structural cracks
- Tough flexible film
- Meets Green Building Council of Australia Greenstar requirements IEQ-13, IEQ-11
- Can be tiled over – good adhesion with ARDEX tile adhesives
- Excellent adhesion to a wide range of substrates
- Fast drying
- STB Tape eliminates need for bond breaker
- Class III Membrane, as per AS/NZS 4858 Wet Area Membranes

### RANGE OF APPLICATIONS

For commercial and residential internal/external bathrooms, wet areas, balconies, decks and other areas that will be tiled. Not suitable for permanent immersed conditions. For conditions of permanent immersion, it is recommended that ARDEX WPM 002 is used. For further information please call ARDEX Technical Services.

### SUBSTRATES

#### Concrete

Cured for minimum 28 days. Wet concrete should be allowed to dry thoroughly or sealed with one coat of ARDEX WPM 300 at coverage rate of 3.0m<sup>2</sup> per litre and allowed to cure overnight.

#### Renderers and screeds

Cured for minimum 7 days. Wet render should be allowed to dry thoroughly or sealed with one coat of ARDEX WPM 300 at coverage rate of 3.0m<sup>2</sup> per litre and allowed to cure overnight.

#### Fibre-cement sheets and wet area plasterboard

Wet area grades only.

#### Plywood

Structural plywood (PAA branded) or marine grade or other wet area grade only. ARDEX WPM 155 Rapid Plus is not recommended over timber substrates in external applications.

### PRIMERS

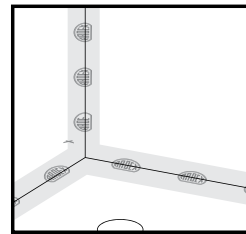
ARDEX WPM 155 Rapid Plus is suitable to use over ARDEX P9, ARDEX WPM 300, ARDEX WPM 270, ARDEX WPM 265 or ARDEX Multiprime and Abaprime.

### APPLICATION

ARDEX WPM 155 Rapid Plus should be thoroughly mixed to a uniform consistency and ensure the coating is applied evenly at recommended coverage rates.

All junctions and joints shall have ARDEX STB Tape applied. See ARDEX website for detailed video on application of this tape: [www.ardexaustralia.com](http://www.ardexaustralia.com)

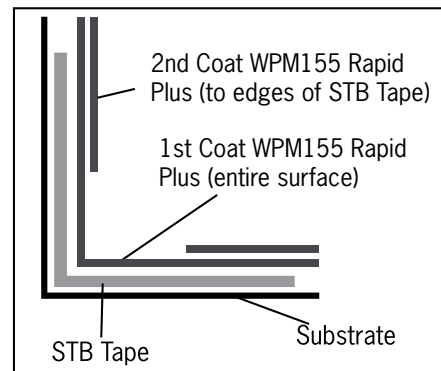
1. Ensure area is free from contaminants and clean, making sure to remove all dust, and prime fibre-cement sheet with an approved primer (listed in the primers section). Apply the tape and use a roller to ensure that a secure bond is made between the tape and substrate and carefully moulded into the corners.



2. Apply a coating of ARDEX WPM 155 Rapid Plus 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 0.5mm (wet film thickness) to provide a 0.25mm dry film thickness. Allow to dry. Dry time is approximately 1-2 hours at 23°C and 50% relative humidity.

3. Apply a second coat of the ARDEX WPM 155 Rapid Plus membrane at a thickness of 0.5mm (wet film thickness) to provide a dry film thickness of 0.25mm. This will provide a total dry film thickness of 0.5mm.

Note: The second coat needs to only be applied up to the edge of the ARDEX STB Tape (as pictured below)



Tiling can begin once the second coat has dried which is generally 3 hours at 23°C in undertile applications. Drying times will vary depending on humidity, surface temperature and porosity of substrates.

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## Professional Engineered Undertile Membrane

The membrane must be lapped to penetrations such as waste outlets in accordance with AS 3740.

### COVERAGE

This will vary with the porosity of the substrates. Two coats are recommended for optimum performance.

A 20kg unit (15 Litres) will cover approximately 17.5m<sup>2</sup>. A 5.3kg unit (4 Litres) will cover approximately 4.6m<sup>2</sup>.

### PACKAGING

ARDEX WPM155 Rapid Plus Liquid Membrane 20kg (approximately 15 litres) and 5.3kg (approximately 4 litres).

ARDEX STB 15-75 Tape roll - 75mm wide x 15 metres in length.

### SHELF LIFE

12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

### CLEANING

Wash hands, brushes, rollers with water while product is still fresh. For cured material, use mineral turpentine.

### PRECAUTIONS

All surfaces must be structurally sound, dry and free from all surface contaminants.

Do not use ARDEX WPM 155 Rapid Plus under the following conditions:

- Areas subject to negative hydrostatic pressure or rising damp, unless treated with ARDEX WPM 300
- Wet substrates or green screeds/concrete – need to be sealed with one coat ARDEX WPM 300 as described earlier
- Surface temperatures below 10°C or greater than 35°C
- 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 shall be protected from contamination and damage.

Before any substrate preparation, installation or finishing methods relating to ARDEX product 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.

**ARDEX Australia Pty Ltd**  
Phone: 1300 788 780

**Toll Free Technical Services:**  
1800 224 070 (Australia)

**ARDEX New Zealand Ltd**  
Phone: 0800 227 339

### SAFETY DATA

This product may cause an allergic reaction to the skin. May cause damage to organs through prolonged or repeated exposure. May cause cancer. Avoid contact with skin and eyes. In case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check with your local Council regarding the disposal of contents. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. At times updates can occur to data. For additional information and to ensure you have the most current technical and safety information please consult the latest safety data sheets (SDS) and technical data sheets found on the product page at [www.ardexaustralia.com](http://www.ardexaustralia.com)

### TECHNICAL DATA

**Colour:** Blue

#### Properties of the cured membrane

**Tensile strength:** 1.2 MPa

**(AS 1145)**

**% Elongation:** >350%

**Shore A Hardness:** 65-75

#### Water vapor transmission

**(AS/NZS 4858/ASTM E96):** 1.2g/24hrs/m<sup>2</sup>

**VOC content:** 42g/L

**Durability (AS/NZS 4858):** Pass

### DISCLAIMER

The technical details, recommendations and other information contained in this datasheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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This datasheet was issued in November 2020 and is valid for 3 years, in some instances a newer version may be published. Always refer to [www.ardexaustralia.com](http://www.ardexaustralia.com) for the latest technical data from ARDEX Australia Pty Ltd.