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# ARDEX WPM 130

*Builder's Express*

## **Construction and Bathroom Membrane**

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Liquid Membrane System

Modified polyurethane acrylic waterproof membrane

Internal and External Use

Rapid System - Tile over from 4 hours

Excellent adhesion with ARDEX tile adhesives

Environmentally friendly – solvent free, suitable for confined areas

Suitable for use under resilient floorcoverings

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

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# ARDEX WPM 130 *Builder's Express*

## Construction and Bathroom Membrane

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### DESCRIPTION

Acrylic PU water-based waterproofing membrane developed for high performance undertile waterproofing and vinyl applications.

- Tough flexible film
- Meets Green Building Council of Australia Greenstar requirements
- Can be tiled over – good adhesion with ARDEX tile adhesives
- Excellent adhesion to a wide range of substrates
- Fast drying, 4 hours on decks and some applications
- Class III Membrane, as per AS/NZS 4858 Wet Area Membranes

### RANGE OF APPLICATIONS

For internal/external bathrooms, wet areas, balconies, decks and other areas that will be tiled and for internal wet areas to receive resilient flooring. 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.

The moisture content of concrete should be tested in accordance with AS1884:2021, prior to the installation of resilient flooring.

#### Renders 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

Wet area grades only.

#### Plywood

Structural plywood (PAA branded) or marine grade or other wet area grade only. ARDEX WPM 130 Builder's Express is not recommended over timber substrates in external applications.

### PRIMERS

ARDEX WPM 130 Builder's Express is suitable to use over ARDEX P9, ARDEX WPM 300, ARDEX WPM 270, ARDEX WPM 265 or ARDEX Multiprime and Abaprime.

### CORNERS AND COVING AREAS

After priming and allowing to dry, apply a generous bead (12mm) of neutral cure silicone sealant to seal all junctions between two substrates in coving areas and corners. Smooth over the silicone so that it extends 6mm up the wall and 6mm over the floor and allow to touch dry.

Apply a first coat of ARDEX WPM 130 Builder's Express to the area and allow the membrane to dry. Apply a second coat ensuring that excess product is removed from the junction (the final dry film thickness should be a minimum of 1.0mm). Alternatively, if ARDEX Deckweb is used between coats then the second coat can be applied as soon as the mat is fully bedded into the first coat.

### APPLICATION

ARDEX WPM 130 Builder's Express should be thoroughly mixed to a uniform consistency and ensure the coating is applied evenly at recommended coverage rates. Mobile joints should be reinforced using ARDEX Deckweb and the membrane must be lapped to penetrations such as waste outlets in accordance with AS 3740.

Apply a coating of ARDEX WPM 130 Builder's Express 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 1mm (wet film thickness) to provide a 0.5mm dry film thickness. Allow to dry. Dry time is approximately 1-2 hours.

Apply a second coat of the ARDEX WPM 130 Builder's Express membrane at a thickness of 1mm (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 dried which is generally 4 hours at 23°C in undertile applications. Drying times will vary depending on humidity, surface temperature and porosity of substrates.

For resilient flooring applications, allow the second coat of Ardex WPM130 Builders Express to cure for 18 – 24 hours prior to the installation of ARDEX Feather Finish or ARDEX Fine Finish smoothing compounds.

### DRYING TIME

Recoat time is 1–2 hours between first and second coats. Drying time on flat surfaces under standard conditions is 4 hours at 23°C and 50% relative humidity. However, dry through time will be slowest in areas where ARDEX WPM 130 Builder's Express is applied over neutral cure silicone bond breaker, or is reinforced, particularly in corners and junctions.

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### 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 9m<sup>2</sup> on floors and walls.

### PACKAGING

ARDEX WPM 130 Builder's Express Liquid Membrane 20kg (approximately 15 litres).

### 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 130 Builder's Express 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.

### SAFETY DATA

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. Additional information is in the Safety Data Sheet (SDS) at [www.ardexaustralia.com](http://www.ardexaustralia.com). At times, updates can occur to data. To ensure you have the most current technical and safety information, please consult the latest data sheets found on the product page at [www.ardexaustralia.com](http://www.ardexaustralia.com).

### TECHNICAL DATA

**Colour:** Light Blue

#### Properties of the cured membrane

**Tensile strength: (AS 1145)** 1.0 MPa  
**% Elongation:** >300%  
**Shore A Hardness:** 65-75  
**Water vapor transmission (AS/NZS 4858 / ASTM E96):** 1.0g/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 September 2023 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.

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