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# ARDEX AF 171

## UNIVERSAL ADHESIVE

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Universal adhesive

High resistance to plasticiser migration

Extended open times

High final strength with excellent dimensional stability

Low VOC

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# ARDEX AF 171

## UNIVERSAL ADHESIVE

### DESCRIPTION

ARDEX AF 171 is a universal flooring adhesive, with extended work-time, with high initial grab and final bond strength.

ARDEX AF 171 can be used as a wet set adhesive for LVT and LVP or a semi-wet set for sheet vinyl

### FLOOR COVERINGS

- Vinyl sheet, Luxury vinyl tiles / luxury vinyl planks, linoleum
- Rubber (Tiles and sheet up to 4mm)
- Acoustic mat (Contact ARDEX Technical Services)
- Direct stick and dual bond carpet

### SUBSTRATES

- Cementitious underlayments over concrete
- Hardboard underlay conforming to AS/NZS 21854.9
- HP MDF conforming to AS/NZS 1859.2
- Plywood underlay grade C conforming to AS/NZS 2269.0
- Fibre cement sheet conforming to AS/NZS 2908.2
- Plasterboard

Contact ARDEX Technical Services for other substrates including terrazzo, ceramic tiles and metal substrates.

### SUBSTRATE PREPARATION

Ensure all surfaces are dry, smooth, clean, and absorbent for a strong bond. Follow Australian Standard 1884 for resilient sheet flooring, including moisture testing.

Prime highly absorbent sub floors with ARDEX P 51 Primer before applying adhesive. Refer to product technical data sheet for dilution ratio.

### Damp or Green Concrete

When a concrete substrate moisture content is measured at greater than 80% relative humidity (ASTM F2170) or exceeds 15gm/m<sup>2</sup>/24hrs (ASTM F1869) when tested in accordance with AS 1884.

Option 1 - A single coat of ARDEX WPM 300 applied at 3m<sup>2</sup>/litre will act of a moisture stop for green concrete not subject to rising damp or permanent moisture. To make ready for a levelling compound, ARDEX Primer Sand should be broadcast over the wet ARDEX WPM 300 as per the technical data sheet. Let cure overnight prior to removing the excess sand

Option 2 - A single coat of ARDEX WPM 368 applied at 3m<sup>2</sup>/litre per coat acts as a moisture stop for 'green concrete' not subject to rising damp or permanent moisture. The ARDEX levelling compound can be applied directly onto the cured WPM 368 without the need of primer.

Where rising damp is present or concrete moisture exceeds

90% RH, consult ARDEX technical bulletin 192 - Smoothing Cement - Moisture Barrier Systems or contact ARDEX Technical Services (1300 788 780)

Note: 3mm of ARDEX levelling compounds must be installed prior above the ARDEX moisture barrier prior to installing ARDEX AF 171

### STORAGE

ARDEX AF 171 has a shelf life of 12 months when stored in original unopened packaging, in a dry place at 23°C and 50% RH.

### DIRECTIONS FOR USE

Acclimatisation: Maintain consistent temperatures (as per AS 1884 and floor covering manufacturer) 48 hours before, during, and after installation, in line with the Australian Standard 1884.

### Wet Set Method (LVP/LVT)

Spread adhesive and install flooring within 15 minutes. Ensure 100% adhesive transfer by checking periodically.

### Semi-Wet Method (Sheet Vinyl)

Allow adhesive to dry 40–50 minutes (adjust for site and sub floor conditions). Install flooring by pressing into the adhesive bed. Flatten trowel notches to avoid marks showing through the flooring and ensure 100% crush-out.

Note: Always roll the flooring within an hour in both directions.

COVERAGE		
Flooring Type	Trowel	Coverage
Residential Sheet Vinyl	U1	Up to 5m <sup>2</sup> / Litre
Commercial Sheet Vinyl	V1	Up to 5m <sup>2</sup> / Litre
Smooth back rubber		
Textured back rubber	V2	Up to 2.5m <sup>2</sup> / Litre
Linoleum	V2	Up to 2.5m <sup>2</sup> / Litre
Direct Stick Carpet	V1 - V3	Up to 0.8m <sup>2</sup> - 5m <sup>2</sup> / Litre
Note: Coverage will vary dependant on the texture and porosity of the substrate. Confirm trowel size by site verifying sufficient transfer of adhesive to floor coverings		

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## UNIVERSAL ADHESIVE

TECHNICAL PROPERTIES	
Colour	Off White
Cure Time	72hrs @ 20°C
Packaging	15 litre Pail (18kg)
Site Variability	Site conditions including porosity, low/high temperature and humidity will alter coverage, setup and working time
Clean up	Wet adhesive: Clean with warm soapy water Dry adhesive: Clean with mineral spirits carefully following warnings on container Clean tools immediately after use with warm soapy water

### SAFETY DATA

Avoid contact with skin and eyes; in case of contact with the eyes, wash out immediately with fresh running water. If irritation continues, seek medical attention. Wear protective gloves, clothing, face and eye protection. Avoid inhaling dust/ fume/ gas/ mist/ vapours/ spray. Ensure adequate ventilation during mixing and application. 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 [ardexaustralia.com](http://ardexaustralia.com) NOTE: Do not reuse container. Dispose of container and adhesive residue in accordance with Federal, State and Local bodies waste disposal regulations. Do not flush adhesive down drains.

### GUARANTEE

ARDEX Australia Pty Ltd ("we" or "us") guarantees this product ("our goods") is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 2 Buda Way, Kemp's Creek, NSW 2178; Toll Free: 1800 224 070; Email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have

as a "consumer" under the Australian Consumer Law and to that extent you need to be aware that: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure".

### DISCLAIMER

The technical details, recommendations and other information contained in this data sheet 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 data sheet was issued in January 2025 and is valid for 3 years, in some instances a newer version may be published. Always refer to [ardexaustralia.com](http://ardexaustralia.com) for the latest technical data from ARDEX Australia Pty Ltd.