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# ARDEX D2

## Premium Non Slump Wall Tile Adhesive

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Superior non slump capability – holds large non porous tiles without slump

Excellent workability – smooth consistency, easy to trowel, low odour

Approved for use in wet areas without compromising adhesion strength



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# ARDEX D2

## Premium Non-Slump Wall Tile Adhesive

### DESCRIPTION

ARDEX D2 is a premium grade dispersion adhesive offering superior non slump and shear adhesion characteristics. Based on exclusive polymer technology, ARDEX D2 is the ultimate performance wall tile adhesive and is suitable for interior use, over a range of substrates and for most tile types. ARDEX D2 is not recommended for use on external floors or in continuous immersion applications e.g. swimming pools.

### FOR FIXING (TILE TYPES)

Fully vitrified and ceramic tiles, porcelain, natural stones (excluding moisture sensitive) and mosaics.

### TO (SUBSTRATES)

- Concrete, render
- Fibre-cement sheets, plasterboard
- ARDEX/Undertile liquid applied waterproofing membranes (not suitable when using dense tiles over such non absorbent substrates due to prolonged drying times)

### USES

Internal wall tiling (Not suitable for continuous water immersion applications eg. swimming pools)

### SUBSTRATE PREPARATION

In general, the surface being adhered to must be clean, firm and free of dust, dirt, oil, grease, curing compounds, release agents and other barrier materials, as well as being strong enough to support the weight of the tiles being fixed. Ensure that the background's required drying time, as given in the relevant part of AS 3958, is allowed to elapse prior to fixing the tiles.

### Plasterboard

There is no need to prime the paper facing surface. However, where sheets are joined, ARDEX Multiprime must be used over the base jointing compound. Do not use the topping compound in areas which are to be tiled.

### Fibre Cement Sheets

Remove surface dust with a damp sponge or prime with ARDEX Multiprime before tiling (priming not required when fixing fully vitrified tiles). Allow primer to dry before applying adhesive.

### Concrete

This includes precast, in-situ and wood floated concrete. Allow concrete to cure for at least 28 days prior to tiling. Any surface laitance, concrete sealers, curing compounds, and other materials should be removed from the surface prior to tiling. The concrete should have adequate surface profile (e.g. broom finish) to provide a mechanical key. Smooth surfaces and/or dense concrete – greater than 35MPa and less than 50MPa, must be mechanically roughened prior to tiling. Porous render should be primed with ARDEX Multiprime.

### Cement Render

New renders should be finished with a wood float to the required surface regularity. Allow at least 7 days to cure prior to tiling. Porous render should be primed with ARDEX Multiprime.

### Painted Surfaces

Oil-based paint should be roughened mechanically and loose flaking paint should be removed.

Ensure the paint is suitable for tiling over.

Thoroughly remove water-based paints. Do not use paint stripper or solvents. Allow surface to dry after cleaning.

### COVERAGE

22kg of ARDEX D2 is sufficient for approximately 9-11m<sup>2</sup> on walls using a 6 x 6 x 6mm notched trowel. The coverage will vary depending on substrate condition, tile type and application technique.

### MIXING

Premixed. No mixing required.

### SHELF LIFE

12 months when stored in original unopened packaging at 25°C and 50% relative humidity.

### FIXING TECHNIQUE

Before fixing ensure the substrate has been prepared and the tiles are clean and free from contaminants such as dust, powders or waxes. Tiles should be fixed in accordance with AS 3958.

Substrate surface, type and size of the tiles will determine the selection of the trowel. As a general guide use a 6mm x 6mm x 6mm notch for walls. The final bed should be no more than 3mm to avoid slumping and extended drying times. Do not spot fix tiles.

Open time is approximately 45 minutes. Only spread enough adhesive so that the tiles can be fixed within the open time.

The tiles must be pressed firmly into the freshly combed adhesive bed to ensure good contact with the adhesive. Slide the tile at a right angle to the notch pattern so that the back of the tile is completely covered by the adhesive. Tiles with ribbed or keyed back profiles should also be buttered so that the voids are filled.

Lift a tile from time to time to check that there are no voids beneath. Any surplus adhesive should be removed from the tile surface and joints before the adhesive sets.

### MOVEMENT JOINTS

Incorporate movement joints as recommended in AS 3958. As a general guide, these joints should be at 3-4.5 metre intervals and at internal corners. Any structural movement joints must be carried through to the face of the tiling, at junctions between different background material and at fixtures interrupting the tile surface. Movement joints should be about 6mm wide and be filled with a high quality flexible material e.g. ARDEX SE or ST Silicone.

For setting of moisture sensitive natural stones, please refer to products in the ARDEX Natural Stone System.

Dimensional instability in natural stone ranges is often difficult to detect visually and may require thermal and moisture stability testing to ensure that adhesive recommendations can be warranted. Contact your tile supplier for further information or ARDEX technical services for information and testing.

### 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 and eye protection. Avoid inhaling dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check with your local Council regarding the disposal of contents, dispose of packaging thoughtfully and recycle where possible. 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)

### TECHNICAL DATA

**Colour:** White  
**Mixing Ratio:** Premixed

### Application Properties at 23°C and 50% RH

**Adjustment Time:** 45 minutes  
**Grouting Time:** 24 hours  
**Sagging:** None  
**Underfloor Heating:** Yes

### Mechanical Properties (ISO 13007)

**Tensile Adhesion Strength after 28 days dry:** >2 MPa  
**Water Immersion:** >0.7 MPa  
**Heat:** >2.5 MPa  
**Elevated Temperatures:** >2 MPa  
**Extended Open Time:** >1 MPa  
**Coverage:** 9-11m<sup>2</sup> (walls)  
**Classification:** D2TE

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### 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, 20 Powers Road Seven Hills NSW 2147; 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".

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