



ARDEX D2

Premium Non Slump Wall Tile Adhesive

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 9-11m² 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.

Pay attention to the following

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

This product may cause irritation and an allergic reaction to the skin. It may cause serious eye injury and irritation to the respiratory system. 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 Sheet (SDS) and Technical Data Sheet found on the product page at 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: 9-11m² (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) 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 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 for the latest technical data from ARDEX Australia Pty Ltd.