



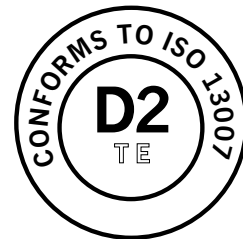
ARDEX D2

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



ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills NSW 2147
1300 788 780
technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd
15 Alfred Street
Onehunga, Auckland, 1061
0800 227 339
info@ardexnz.com
www.ardex.co.nz

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.

STORAGE

12 months when stored in original unopened packaging at 25°C.

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 PRECAUTIONS

This product is classified as non-hazardous according to WorkSafe Australia criteria. Avoid contact with skin and eyes; in case of

contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and keep the product out of the reach of children. Avoid inhalation of vapours.

For further material safety data, consult the latest Safety Data Sheet.

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

ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills, NSW 2147
Phone: 1300 788 780
Fax: 1300 780 102
Email: technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd
32 Lane Street
Woolston, Christchurch 8241
Phone: 0800 227 339
Fax: (03) 3849779
Email: info@ardex.co.nz
www.ardex.co.nz

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