



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

Unique D2 formulation – 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. Its unique formulation allows it to be used in wet areas (such as shower walls) without the adhesion strength being compromised over time.

ARDEX D2 is a wall tile adhesive for interior use, suitable over a range of substrates and for most tile types. ARDEX D2 is not recommended for use in continuous immersion applications eg swimming pools.

FOR FIXING (TILE TYPES)

- Ceramic tiles, natural stone (excluding moisture sensitive stone)
- Fully vitrified tiles, glass mosaics, porcelain

TO (SUBSTRATES)

- Fibre-cement sheets, plasterboard
- Concrete, render
- ARDEX/Undertile liquid applied waterproofing membranes (not suitable when using dense tiles over such non absorbent substrates nor for shower hobs 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 AS3958, is allowed to elapse prior to fixing the tiles.

Plasterboard

There is no need to prime the cardboard 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 (eg 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.

Thoroughly remove water-based paints. Do not use paint stripper or solvents. Allow surface to dry after cleaning. Ensure the paint is suitable for tiling over.

MIXING

Premixed. No mixing required.

FIXING TECHNIQUE

Before fixing ensure the substrate has been prepared and the tiles are free from dust. Tiles should be fixed in accordance with AS 3958:1991.

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.

Open time is approx 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 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. Do not spot fix tiles. 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 3958.1:1991. As a general guide, these joints should be at 3.5 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 eg: silicone.

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.

Material Safety Datasheet is available upon request.

TECHNICAL DATA

Classification (AS 4992.1)	D2TE
Colour	White
Mixing ratio	Premixed
Coverage (per 22kg)	9m ² to 11m ² on walls (6 x 6 x 6mm notched trowel) <small>(Coverage will vary depending on substrate condition and tile type)</small>
Fixing (open) time (+23°C)	45 minutes
Grouting (walls)	After approx 24 hours
Shear adhesion strength	>2 MPa
Shear adhesion strength after heat ageing	>2.5 MPa
Shear adhesion strength at elevated temperatures	>2 MPa
Shear adhesion after 21 days air cure, 7 days water immersion	>0.7 MPa
Slip/Slump	Nil <small>(Typically holds 25kg per m² or a 300 x 300mm fully vitrified tile weighing 2.5kg without slump).</small>
Extended open time, tensile adhesion strength	>1 MPa
Storage	Approx 12 months when stored in the original unopened packaging at 25°C
Packaging	22kg Pail

All tests are conducted in accordance with AS 4992.2

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