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# ARDEX D1

## (Abamastic)

### High Performance Ready Mixed Non-Slump Wall Tile Adhesive

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High performance non-slump formula

Extended open time allows a larger area of adhesive to be spread before skinning occurs

Smooth consistency that is easy to work and trowel

Brilliant White - Suitable for use with translucent tiles

Accommodates limited building movement

Low Odour



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# ARDEX D1 (Abamastic)

## High Performance Ready Mixed Non-Slump Wall Tile Adhesive

### DESCRIPTION

ARDEX D1 is a high performance, ready mixed wall tile adhesive with superior flexibility and tenacity. Due to its non-slip formulation, ARDEX D1 is ideal for fixing all types of ceramic tiles, including large size ceramic wall tiles, non-moisture sensitive natural stones, mosaics and translucent tiles in kitchens, bathrooms and laundries. ARDEX D1 contains polymer technology to ensure an extended open time and excellent bonding capacity. ARDEX D1 meets AS 4992 requirements for a D1 TE dispersion adhesive with non-slip characteristics and extended open time. ARDEX D1 is suitable for internal use in commercial and residential applications.

### FOR FIXING (TILE TYPES)

All ceramic wall tiles including monocottura, natural stones (excluding moisture sensitive) and glass mosaics.

### TO (SUBSTRATES)

Concrete, cement renders, fibre-cement sheet, plasterboard.

### SUBSTRATE PREPARATION

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 surfaces are dry before tiling, with no residue or permanent damp.

Ensure that the substrate's required drying time, as given in the relevant part of AS 3958, is allowed to elapse prior to fixing the tiles. Prime porous substrates with ARDEX Multiprime.

### Concrete

This includes precast, in-situ and wood floated concrete. Any surface laitance, concrete sealers, curing compounds, and other materials should be removed from the surface prior to tiling. The surface should be true, level and have adequate surface profile to provide a mechanical key. Smooth surfaces and/or dense concrete greater than 35MPa must be mechanically roughened prior to tiling.

### Cement Render

New renders should be finished with a wood float to the required surface regularity and be allowed to cure for at least 7 days.

### Plasterboard

Provided that these boards are firmly and rigidly fixed to adequately support the tile bed, tiles can be fixed directly with no need to prime the cardboard surface. Where sheets are jointed, 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 Sheet

Remove surface dust with a damp sponge or prime with ARDEX Multiprime prior to tiling.

### Painted Surfaces

Thoroughly remove painted surfaces mechanically, do not use paint stripper or solvents. Allow surface to dry after cleaning.

### 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 Australian Standard AS 3958.

Substrate surface, type and size of the tiles will determine the selection of the trowel. As a general guide use a 6 x 6 x 6mm notched trowel for walls. ARDEX D1 can be applied at a bed thickness greater than 1.5mm or less than 3mm.

The tiles must be pressed firmly into the freshly combed mortar bed to ensure good contact with the adhesive. Slide the tile at right angles to the notch pattern to ensure 100% coverage on the back of the tile. Lift a tile from time to time to check that there are no voids beneath the tile. Do not spot fix. Any surplus adhesive must be removed from the surface of the tile and joints, before the adhesive sets.

ARDEX D1 has an open time of 60 minutes, and an adjustment time of 45 minutes. Please be aware of site conditions when considering these times and only spread enough adhesive so that the tiles can be fixed while the mortar is still wet. All tools should be cleaned with water immediately after use.

### MOVEMENT JOINTS

Movement joints must be in accordance with AS 3958. As a general guide for walls, incorporate movement joints at internal corners, fixtures interrupting the tile surface and at 3 - 4.5 metre intervals.

### GROUTING

Grouting can proceed once the tile bed has hardened sufficiently so that tiles will not be dislodged. Typically the tile bed is hard enough after approximately 24 hours at 23°C and 50% relative humidity. Allow longer for dense tiles/substrates, humid climates and low temperatures.

The tile joints should be grouted with the appropriate ARDEX grout.

### COVERAGE

22kg of ARDEX D1 is sufficient for approximately 11m<sup>2</sup> on walls. The coverage will vary depending on substrate condition, tile type and application technique.

### PACKAGING

ARDEX D1 is packed in plastic pails – net weight 22kg.

### SHELF LIFE

ARDEX D1 has a shelf life of not less than 12 months when stored in the original

unopened packaging, in a dry place at 23°C and 50% relative humidity. Do not store below 5°C.

### Pay attention to the following:

Do not use ARDEX D1 over non-absorbent substrates such as waterproofing membranes or shower hobs due to prolonged drying times.

ARDEX D1 is not suitable for continuous immersion applications, such as swimming pools and water tanks. ARDEX provides other systems.

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

### 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 eye protection and keep the product out of the reach of children. Avoid inhalation of vapours.

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

### TECHNICAL DATA

**Colour:** White paste  
**pH:** Approx 9

**Application Properties at 23°C and 50% RH**  
**Open Time:** 60 minutes  
**Adjustment Time:** 45 minutes  
**Grouting Time:** 24 hours

**Mechanical Properties (AS 4992)**  
**Shear adhesion strength:** >2 MPa  
**Slip Resistance:** 0mm  
**Classification:** D1 TE

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