



ARDEX X 10

Flexible Non Slump Wall and Floor Tile Adhesive

Flexible - achieves S1 classification

Non slump - ideal for large format and heavy tiles

Extended open time

Good workability with low sand content

Ideal for all tile types including fully vitrified, porcelain and mosaics

Suitable for wall and floor tiling

For internal and external use

Low VOC content - meets Green Building Council
of Australia Green Star IEQ13 requirements



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ARDEX X 10

Flexible Non Slump Wall and Floor Tile Adhesive

DESCRIPTION

ARDEX X 10 is a white polymer fortified cement-based wall and floor tile adhesive that has been specially formulated with mastic type properties.

ARDEX X 10 has an extended open time, is non slump and flexible. Mix with water to achieve a mortar suitable for internal and external use in residential and light commercial applications. ARDEX X 10 meets the Green Building Council of Australia Green Star IEQ-13 requirements for Ceramic Tile Adhesives

FOR FIXING (TILE TYPES)

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

TO (SUBSTRATES)

- Concrete, renders, screeds
- ARDEX liquid applied undertile waterproofing membranes
- Fibre-cement sheets, plasterboard on walls
- Existing ceramic tiles (internal dry areas)
- Autoclaved aerated concrete (AAC)
- Compressed fibre-cement sheet on floors

SURFACE 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. As concrete exhibits drying shrinkage, allow to cure for at least 4 weeks prior to tiling. Any surface laitance, concrete sealers, curing compounds, and other materials should be removed from the surface prior to tiling. Steel trowel finished concrete should be roughened mechanically to remove laitance and provide a good key for tiling. The surface should be true and level and pitched to drains where required. 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

must be mechanically prepared prior to tiling prior to tiling.

CEMENT / SAND RENDER AND SCREEDS

New renders and screeds should be finished with a wood float to the required surface regularity. Screeds should be pitched to drains where required. For bonded screeds allow 24 hours to cure prior to tiling. For unbonded screeds allow at least 7 days to cure prior to tiling.

PLASTERBOARD / MEDIUM DENSITY FIBRE-CEMENT SHEET on WALLS

Tiles can be fixed directly provided these boards are firmly and rigidly fixed in accordance with manufacturer's instructions to adequately support the tile bed. Priming is recommended for fibre-cement sheet but is not usually necessary for plasterboard except when jointing compound is used.

EXISTING CERAMIC TILES (INTERNAL ONLY)

These include sound, clean, glazed and unglazed tiles. Existing tiles must be firm and stable. Roughen the surface by mechanical means, clean off contamination and dust before tiling. Ensure that at least 80% of the glaze is removed. Tiling over existing tiles is not recommended in immersed applications

COMPRESSED FIBRE-CEMENT SHEET on FLOORS

For both internal and external applications, tiling over compressed fibre-cement must be carried out as per sheet manufacturer's recommendations and Australian Standard AS 3958.

ARDEX LIQUID APPLIED UNDERTILE WATERPROOFING MEMBRANES

ARDEX undertile waterproofing must be applied according to instructions and thoroughly dry prior to tiling.

MIXING

ARDEX X 10 powder is added to clean water in a large clean container whilst stirring vigorously with a paddle mixer. Mix thoroughly to give a lump free easily worked mortar of a thick creamy consistency. Mix for at least 2 minutes allow to stand for 2 minutes, and mix a second time for 2 minutes. A 25 kg bag of ARDEX X 10 requires approximately 7.5 – 8 litres of water. Do not

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add additional water.

The consistency of the adhesive can be slightly adjusted to suit site conditions and size, weight and type of tiles to be fixed. Do not apply at temperatures below 5°C. The pot life of the mixed mortar is approximately 3 hours at 23°C and 50% relative humidity.

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. 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 and 10 x 10 x 10mm notched trowel for floor tiling.

ARDEX X 10 can be applied at a bed thickness greater than 3mm or less than 10mm

The tiles must be pressed firmly into the freshly combed mortar bed to ensure good contact with the mortar. Slide the tile at right angles to the notch pattern to ensure 100% coverage on the back of the tile. Tiles with ribbed or keyed back profiles should also be buttered to ensure complete coverage. 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 X 10 has an open time of 30 minutes and an adjustment time of 20 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.

MOVEMENTS JOINTS

Movement joints must be in accordance with standard code of practice. For high movement areas, the movement joint interval should be reduced to 4m.

GROUTING

Grouting can proceed once the tile bed has hardened sufficiently so that tiles will not be dislodged. Grouting and traffic may be allowed 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. When grouting over early

age concrete, mix the grout with ARDEX Grout Booster as per grout packaging instructions.

COVERAGE

25kg of ARDEX X 10 is sufficient for approximately 9m² on walls, using a 6 x 6 x 6mm notched trowel and 7m² on floors using a 10 x 10 x 10mm notched trowel. The coverage will vary depending on substrate condition, tile type and application technique.

PACKAGING

ARDEX X 10 is packed in multi layer paper bag, net weight 25kg.

SHELF LIFE

12 months when stored in the original unopened packaging, in a dry place between 10°C and 35°C with 50% RH.

TECHNICAL DATA

Colour:	white
Mixing ratio:	approx. 7.5 - 8L water per 25 kg
Application properties at 23°C and 50% RH	
Open time:	30 minutes
Adjustability time:	20 minutes
Grouting time:	24 hours
Pot Life:	3 hours
Sagging:	None
Underfloor heating:	Yes
Mechanical properties (ISO 13007) Tensile Adhesion Strength after	
28 days dry:	> 0.5 MPa
Water immersion:	> 0.5 MPa
Heat Ageging:	> 0.5 MPa
Freeze Thaw:	> 0.5 MPa
Mixing time:	6 minutes
Classification:	C1 TE S1

Pay attention to the following:

Do not use ARDEX X 10 in continuous immersion

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applications e.g. swimming pools, tanks, etc. ARDEX provides other systems.

Do not use over metal or similar substrates. ARDEX X 10 should not be used over substrates subject to shrinkage and other movement e.g. timber, ARDEX provides other systems.

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 considered non hazardous in normal usage. The presence of cement in the product gives an alkaline mortar which may cause some irritation if prolonged contact with skin takes place. 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 generation of airborne dust during mixing. If swallowed do not induce vomiting, give a glass of water and contact a doctor. For further safety data, consult the Safety Datasheet available online at www.ardex-quicseal.com.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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