



ARDEX Quickbond

Quick Setting Tile Adhesive

Unique adhesive with fast setting properties - grout after 2.5 - 3 hours

Good pot life - remains useable for up to 45 minutes

Creamy texture with great workability and easy to trowel

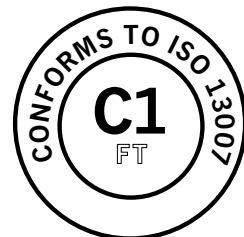
Ideal for all tile types including fully vitrified, porcelain, mosaics and non moisture sensitive natural stone

Reduces efflorescence risk with rapid cure for external applications

Suitable for wall and floor tiling

For internal and external use

Low VOC content - meets Green Building Council of Australia Green Star IEQ-13 requirements



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Quick Setting Tile Adhesive

DESCRIPTION

ARDEX Quickbond is a fast setting, polymer modified wall and floor tile adhesive, which has been specially formulated to have an extended pot life and fast setting characteristics, making ARDEX Quickbond ideal for situations where the tiled area needs to be accessed or grouted within a few hours of the tiles being fixed. Service areas where minimum down time is critical e.g. shopping centres, commercial situations where other trades need to access tiled floors quickly or domestic situations for same day tiling and grouting are ideal applications.

ARDEX Quickbond is suitable for use in both internal and external with Abalastic applications and is ideal for fixing a range of tiles including fully vitrified, porcelain, mosaics and non-moisture sensitive natural stone tiles.

FOR FIXING (TILE TYPES)

Fully vitrified and ceramic tiles, porcelain, moisture insensitive natural stones, glass and porcelain mosaics.

TO (SUBSTRATES)

Concrete, renders, screeds
Existing ceramic tiles
ARDEX liquid applied undertile waterproofing membranes (if the membrane has been applied on concrete, render or screed)

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. 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 shall 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 shall 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 roughened prior to tiling.

Cement Render/Screeds

New renders and screeds should be finished with a wood float to the required surface regularity. Screeds shall be pitched to drains where required. Allow at least 7 days to cure prior to tiling.

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.

ARDEX Liquid Applied Undertile Waterproofing Membranes

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

MIXING

ARDEX Quickbond powder is added to clean water in a clean container whilst stirring vigorously and mixed thoroughly to give a lump free easily worked mortar of a thick creamy consistency. Allow to stand for 5 minutes. Restir the mixture thoroughly and the adhesive is ready for use. A 20kg bag of ARDEX Quickbond requires approximately 5–5.5L of water. Do not add additional water. When using with ARDEX Abalastic, mix approximately 6L per 20kg of ARDEX Quickbond.

The consistency of the adhesive can be slightly adjusted to suit site conditions and size, weight and type of tiles to be fixed. Adding water outside the recommend range will affect working and setting times and strength development. Do not apply at temperatures below 5°C. Avoid mixing fresh adhesive with old adhesive as working times will be shortened, clean bucket between mixes. The pot life of the mixed mortar is approximately 45 minutes at 23°C and 50% relative humidity.

FIXING TECHNIQUE

Tiles shall be fixed in accordance with AS3958. Before fixing ensure the substrate has been prepared correctly, and the tiles are free from dust and anti-blocking powder. In use, ARDEX Quickbond will thicken if left standing undisturbed, but re-stirring makes the product usable for approx. 45 minutes. Do not add extra water. Rough and uneven surfaces can be smoothed with ARDEX Quickbond; the surface must be left to dry before the tile installation can take place.

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 Quickbond can be applied at a bed thickness greater than 1.5mm and less than 15mm. Adhesive notch lines should be parallel and not fanned. 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 Quickbond has an open time of 30 minutes, and an adjustment time of approximately 10 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 Australian Standard AS 3958.

GROUTING

Grouting can proceed once the tile bed has hardened sufficiently so that tiles will not be dislodged. Light foot traffic and grouting may be allowed after approximately 2.5-3 hours and full traffic after approximately 3-4 hours at 23°C and 50% relative humidity. Allow longer for dense tiles/substrates, humid climates and low temperatures.

External tiled areas need to be protected from rain ingress if grouting is delayed.

COVERAGE

20kg of ARDEX Quickbond is sufficient for approximately 9m² on walls, using a 6 x 6 x 6mm notched trowel and approximately 6m² 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 Quickbond is packed in polylined paper sacks – net weight 20kg.

SHELF LIFE

ARDEX Quickbond has a shelf life of 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

Pay attention to the following:

Do not use ARDEX Quickbond in continuous immersion applications e.g. swimming pools, tanks, etc. ARDEX provides other systems. Where movement is anticipated e.g. over heated slabs and exterior situations, mix with ARDEX Abalastic or ARDEX E 90.

ARDEX Quickbond tends to thicken when left standing, re-stir the adhesive and do not add more water. For setting of moisture sensitive natural stones, please refer to products in the ARDEX Natural Stone System. Drying times may be extended when using ARDEX Abalastic or ARDEX E 90.

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 material safety data, consult the latest Safety Data Sheet.

TECHNICAL DATA

Colour: Off White Powder
Mixing Ratio: 5–5.5L water per 20kg powder

Application Properties at 23°C and 50% RH

Open Time: 30 mins
Adjustment Time: 10 mins
Grouting Time: 2.5 - 3 hrs
Pot Life: 45 mins
Slump: None
Underfloor Heating: Yes

Mechanical Properties (ISO 13007)

Tensile Adhesion Strength after 28 days dry: > 0.5 MPa
Water Immersion: > 0.5 MPa
Heat Ageing: > 0.5 MPa
Freeze Thaw: > 0.5 MPa
Classification: C1 FT
C1 FT S1 (when mixed with ARDEX Abalastic)

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