



ARDEX X52

(Improved Glue)

Economical Flexible Rubber Modified Tile Adhesive

Fast drying - grout after 6 to 8 hours

Suitable for use over green screed

Improved workability

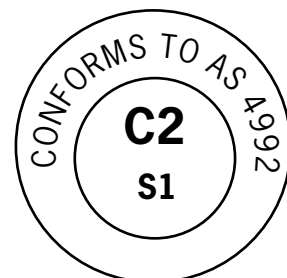
Suitable for a range of tile types including ceramic, fully vitrified and porcelain

Flexible, achieves S1 classification

Suitable for wall and floor tiling

For internal and external use

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



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ARDEX X52 (Improved Glue)

Economical Flexible Rubber Modified Tile Adhesive

DESCRIPTION

ARDEX X 52 is an economical rubber modified adhesive for fixing ceramic tiles in internal and external (with satisfactory falls) situations. It can be used over render, plasterboard, fibre-cement sheets and concrete in situations where minimal movement (up to 0.3mm) is anticipated. When mixed with water, a flexible mortar that meets the S1 tile adhesive classification is produced. ARDEX X52 is ideal for fixing ceramic, fully vitrified, porcelain, non-moisture sensitive natural stone tiles and mosaics. ARDEX X52 can be used in residential and commercial applications with satisfactory falls.

FOR FIXING (TILE TYPES)

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

TO (SUBSTRATES)

Concrete, renders, screeds
Fibre-cement sheet, Plasterboard

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.

CEMENT RENDER/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. Allow at least 16 hours to cure prior to tiling.

PLASTERBOARD/MEDIUM DENSITY FIBRE-CEMENT SHEET

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. Ensure the surface is completely clean. Priming with ARDEX Multiprime is recommended for fibre-cement sheets, on floors this should be followed by taping the sheet joints with PVC ducting tape. Priming is not usually necessary for plasterboard except when a jointing compound is used, the compound should then be primed with ARDEX Multiprime

COMPRESSED FIBRE-CEMENT SHEET

Internal Applications

These sheets must be fixed strictly in accordance with manufacturer's instructions and be deemed suitable for the application by the manufacturer.

Tiling over compressed fibre-cement sheet for external flooring applications should be carried out as per sheet manufacturer's recommendations and Australian Standard AS 3958.

MIXING

ARDEX X52 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 X52 requires approximately 7.5 litres of water

The consistency of the adhesive can be 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 1.5 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 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 notch trowel for walls and 10 x 10 x 10mm notch trowel for floor tiling. ARDEX X52 can be applied at a bed thickness greater than 1.5mm or less than 6mm.

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 X52 has an open time of 15-20 minutes and an adjustment time of 15-20 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.

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. Grouting and traffic may be allowed after approximately 6-8 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

20kg of ARDEX X52 is sufficient for approximately 13-15m² on walls, using a 6 x 6 x 6mm notched trowel and 8-10m² 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 X52 is packed in polylined paper sacks – net weight 20kg.

SHELF LIFE

ARDEX X52 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.

PAY ATTENTION TO THE FOLLOWING:

ARDEX X52 is suitable for only minimal shrinkage. When setting tiles on substrates where movement is anticipated, we recommend the use of ARDEX X56, ARDEX X77 or ARDEX ABAFLEX

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

ARDEX X52 is not suitable for use directly over timber floors.

Do not use ARDEX X52 in continuous immersion applications e.g. swimming pools, tanks, etc. ARDEX provides other systems

External tiling and shower recess floors must have adequate falls for drainage.

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 Material Safety Data Sheet.

TECHNICAL DATA

Colour:	Off White Powder
Mixing Ratio:	Approx 7.5 litre water per 20kg powder
Application Properties	at 23°C and 50%RH
Open Time:	15 - 20 minutes
Adjustment Time:	15 - 20 minutes
Grouting Time:	6 - 8 hours
Pot Life:	1.5 hours
Underfloor Heating:	Yes

Mechanical Properties(AS 4992) Tensile Adhesion Strength after

28 days dry:	>1.0 MPa
Water Immersion:	>1.0 MPa
Heat:	>1.0 MPa
Freeze Thaw:	>1.0 MPa
Classification:	C2 S1

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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