



ARDEX X 13

High Strength Tile Adhesive

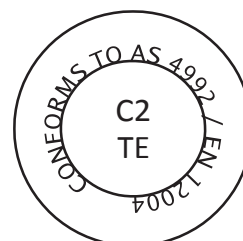
Cement-based, polymer modified

Classified as C2 TE

High adhesion strength

For internal and external use

Cost effective



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ARDEX X 13

High Strength Tile Adhesive

DESCRIPTION

ARDEX X 13 is a cement-based, polymer modified tile adhesive suitable for fixing a variety of ceramic tiles. For internal and external use. Suitable for walls and floors.

FOR FIXING (TILE TYPES)

For porcelain tiles, and fully vitrified tiles, ceramic mosaics, quarry tiles, dark natural stone (excluding moisture sensitive stones), terrazzo and brick slip.

TO (SUBSTRATES)

Cement/sand rendering, screed, concrete, glaze tiles/bricks and fibre cement sheets. For drywall (gypsum plasterboards, fibre mesh reinforced cement faced tile backer boards) or where there is movement, mix ARDEX X 13 with ARDEX E 670 or ARDEX E 675 additive. This increases flexibility, water resistance and also improves adhesion to low absorption tiles.

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 required drying time is achieved and allowed to elapse prior to fixing the tiles.

Note also: Showers or similar wet areas should be waterproofed with ARDEX Waterproofing products.

MIXING

A 25 kg bag of ARDEX X 13 requires 5 - 6 L of water. Avoid excess water. Add the powder to clean water in a clean container whilst stirring vigorously with electric power drill and mix thoroughly for 2 minutes until a smooth slump-free consistency is produced. Allow to stand for 2 minutes before re stirring the mixture thoroughly and the adhesive is ready for use. The consistency of the adhesive can be adjusted to suit the site conditions and

size, weight and type of tiles to be fixed. Do not apply at temperature below 5°C. The pot life is approx. 4 hours at 23°C and 50% RH.

FIXING TECHNIQUE

Before fixing, ensure the substrate has been prepared and the tiles are free from dust. Substrate surface, type and size of the tiles determine the selection of the trowel. As a general guide use a 6 x 6 x 6 mm notched trowel for wall and a 10 x 10 x 10 mm notched trowel for floor tiling. ARDEX X 13 can be applied at a bed thickness greater than 3 mm or less than 10 mm. Immediately after mixing, spread the adhesive paste onto the prepared substrate. Do not spread more than can be tiled within 10 - 15 minutes.

For improved adhesion on surfaces, first apply a skim coat of adhesive using a flat edge trowel. Comb fresh adhesive onto wet skim coat. The tiles must be pressed into the freshly combed mortar bed to ensure good contact with the mortar. Slide the tiles 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.

Do not use if surface temperature is less than 5°C or more than 35°C.

ARDEX X 13 has an open time of 20 - 30 minutes and an adjustability time of 10 - 15 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

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so that tiles will not be dislodged. Grouting may be allowed after approx. 24 hours at 23°C and 50% RH. The tile joints should be grouted with the appropriate ARDEX grout.

COVERAGE

Approx. 2 kg of ARDEX X 13 per m² when using a 6 x 6 x 6 mm notched trowel and 4 kg per m² when using a 10 x 10 x 10 mm trowel. Coverage varies depending on substrate condition, tile type and application technique.

PACKAGING

ARDEX X 13 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:	grey or white
Mixing ratio:	approx. 5 - 6 L water per 25 kg
Application properties at 23°C and 50% RH	
Open time:	approx. 20 - 30 minutes
Wet Density:	1.60 kg / m ²
Sagging:	< 0.5 mm
Adjustability time:	10 - 15 minutes
Grouting time:	approx. 24 hours
Pot Life:	approx. 4 hours
Mechanical properties (AS 4992 / EN 12004) Tensile Adhesion Strength after	
Standard Aging:	1.5 N / mm ²
Water immersion:	1.4 N / mm ²
Heat Ageing:	1.0 N / mm ²
Classification:	C2 TE

SAFETY PRECAUTIONS

This product is considered non-hazardous in normal use. 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 reach for 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 latest Material Safety Datasheet.

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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