



ARDEX 4x4 FAST

Fast Setting thin layer adhesive for ceramic tiles

Grey cement-based

Flexible and deformable

Creamy with an adjustable consistency

Fixing of tiles, ceramic, stone or porcelain tiles and moisture-insensitive natural stone in indoor and outdoor applications

Fast setting time (30 min)

Water resistant

Frost resistant

CE-certified according to EN12004 and EN12002 standards



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ISO 9001 Certified Company

ARDEX 4x4 FAST

Fast setting thin layer adhesive for ceramic tiles

Application filed:

Indoor and outdoor use, for floors.

Creamy gel-type fast setting cementitious adhesive with adjustable, thixotropic, or semi-fluid consistency.

For preparing and laying ceramic tiles, stoneware, porcelain tiles, glass and porcelain mosaics. Laying of suitable building panels.

Suitable for use on screeds with underfloor heating.

*Thin-bed adhesive bonding: maximum 5 mm adhesive thickness in single layer bonding.

Product:

Powder with grey cement, fillers, synthetic resins and selected additives. When mixed with water, it results in a soft mortar that hardens by hydration and drying.

It is waterproof and weatherproof within a few days. It adheres perfectly to common building substrates such as concrete, cement screeds, anhydrite screeds, plaster, masonry and similar substrates, creating a firm bond between the different building materials.

Substrate Preparation:

ARDEX 4x4 FAST will adhere to dry or damp substrates, but they must be firm, load bearing, suitable for adhesion and free of separating agents. Gypsum or absorbent anhydrite substrates must be dry and must be pre-sealed with ARDEX P51 primer diluted with water, ratio 1:3. Non-porous substrates such as ceramic, metal, glass, varnish coatings, etc., must be primed with ARDEX P82 indoors and in dry areas. In case of application on existing tiles, these can also be primed with ARDEX P4.

In damp areas (bathrooms, kitchens, shower trays, etc.) or outdoors (terraces, balconies, etc.), we recommend the use of ARDEX 8+9 waterproofing membrane.

Mixing and application:

Pour clean water into a mixing vessel and add the ARDEX 4x4 FAST powder, stirring vigorously until a smooth, homogeneous, lump-free, supple mortar is obtained. To improve flexibility and complete contact with the back of the tile, the mortar must be stirred again before application on the substrate.

Required quantity of water for mixing: 7 liters of water per 25 kg bag. At a temperature of +20°C, the mortar is workable for approximately 70-90 min. ARDEX 4x4 FAST must be used at temperatures above +5°C and below +30°C.

Mortar viscosity can be modified by increasing or decreasing the amount of water in the mixture. In semi-fluid consistency for application on floors, it is recommended to use 8 litres of mixing water per bag.

Apply the mortar on the substrate and comb it with a notched trowel vertically. The choice of trowel will depend on the surface of the substrate and the type and size of the tile. In the case of surfaces that must bear high loads, the adhesive should be applied using the buttering-floating method to achieve the most complete wetting possible.

The working area should not be larger than that which allows the tiles to be placed on a wet bed for 15 minutes. In case of doubt, a preliminary test shall be carried out.

For laying tiles with high relief, pieces of natural stone of different thicknesses on a medium mortar bed, sand of size 0 - 1 mm can be added to ARDEX 4x4 FAST as follows: Mixing ratio: 1 vol. adhesive: 0.3 - 0.4 vol. sand.

For bonding thermal or acoustic insulation boards, the adhesive is applied in strips or lumps on the back of the boards. If the back of the boards is smooth and has no open pores, this surface must be mechanically sanded before gluing. ARDEX 4x4 FAST with ARDEX E90 additive can also be sanded at the same mixing ratio. In case of doubt, carry out a test beforehand.

If ARDEX E90 admixture is added, proceed as follows: first mix ARDEX E90 with water (1:1) and then add the resulting liquid to the ARDEX 4x4 FAST powder. The mixing ratio is:

25 kg ARDEX 4X4 FAST
3.5 kg ARDEX E90
3.5 kg Water.

Recommendations:

For interior installation of moisture-sensitive natural stone, we recommend the use of Ardurapid® technology adhesives from the ARDEX range to prevent staining of the workpiece.

If resistance to chemicals and aggressive cleaning is required, e.g. swimming pools, spas, food industry, tanks, etc., the use of ARDEX WA /ARDEX ER GROUT 2-4 is recommended, both as an adhesive and as a grout.

When laying large format tiles and natural stone on facades, it is advisable to apply ARDEX X80S, special flexible adhesive C2TES1.

Precautions:

Contains cement. Irritating to eyes and skin. Keep out of reach of children. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective gloves. In set state is physiologically and ecologically harmless.

Disposal of waste and empty containers must be in accordance with local/regional/national/international legislation.

GISCODE ZP1 = product with chromate-poor cement content.

For further information, please refer to the current Material Safety Data Sheet.


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Technical data

(based on tests carried out in our laboratory in accordance with current regulations)

Mixing ratio:	Approx. 7 - 8 l of water: 25 kg of powder (equivalent to 1 vol. of water: 2 1/2 vol. of powder).
Density:	Approx. 1.3 kg/litre.
Mortar density fresh:	Approx. 1.65 kg/litre.
Yield:	On smooth support: Approx. 1.25 kg/m ² -mm Approx. 1,4 kg/m ² with 3x3x3 notched trowel Approx. 2,8 kg/m ² with 6x6x6 notched trowel Approx. 3,8 kg/m ² with 8x8x8 notched trowel
Pot Life (20°C):	Approx. 70-90 min
Ajustability (min)	Approx. 15±5 min
Setting time (20°C): (open time)	Approx. 30 min
Transitability (20°C):	Approx. 3 h
Rejoint time	Approx. 4 h
Adhesion at 6h:	> 0,5 N/mm ²
Adhesion 5'	> 1 N/mm ²
Adhesion in water	> 1 N/mm ²
Open time (30')	> 0,5 N/mm ²
Suitable for floors with radiant heating:	Yes
Packaging:	25 kg bags
Storage:	Approx. 12 months in a dry place in its original closed packaging.

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46976 EN 12004:2007+A1:2012 ARDEX 4X4 FAST Improved, deformable cementitious adhesive, with reduced slip and extended open time, for indoor and outdoor tiling EN 12004:C2 FTE S1	
Reaction to fire:	E
Emission of hazardous substances:	See Safety Data Sheet
Adhesion	
Initial Tensile adhesion strength:	≥ 1.0 N/mm ²
Early Tensile Adhesion strength:	≥ 0.5 N/mm ²
Durability	
Tensile adhesion strength after water immersion:	≥ 1.0 N/mm ²
Tensile adhesion strength after heat ageing:	≥ 1.0 N/mm ²
Tensile adhesion strength after freeze-thaw cycles:	≥ 1.0 N/mm ²
Special Characteristics	
Transverse Deformation:	2,5 – 5 mm
Slip:	≤ 5mm
Extended Open Time: (after 30 min)	≥ 0.5 N/mm ²

Ardex is responsible for the quality of its products. The application recommendations expressed here are based on tests and practical experience.

Any dosage and application other than described therein excludes our responsibility for the product and its application. If you have any questions about the product, please contact the Technical Department. This data sheet is valid until a new edition is published.

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