



ARDEX K 200

Fibre-reinforced Self-levelling Underlayment

Fibre reinforcement technology

Fast drying for early utilisation

Can be pumped or trowel applied

High surface strength



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ARDEX K 200

Fibre-reinforced Self-levelling Underlayment

DESCRIPTION

ARDEX K 200 is a cement-based, pumpable, fibre-reinforced self-levelling underlayment for fast-track application. It is walkable after 3-4 hours. It is a light yellowish powder with special cement, high-quality synthetic resins, industrial-class fibres, selected fillers, and other special additives. The mixed mortar can be applied at 4 - 15mm in one application.

AREAS OF APPLICATION

Suitable for steel, galvanized steel, aluminium concrete/cement screed, stone and ceramic tiles, etc.

SURFACE PREPARATION

Limitations: Not suitable for exposed wearing surfaces. For internal use only.

Direct-to-ground subfloors must be protected from rising dampness using ARDEX WPM 300 Hydrepoxy.

The surface must be hard, sound and free of dust, dirt and other barrier materials such as grease, paint, water softenable adhesive residues or loosely adhered material, etc. Use a commercial degreaser to remove polish, wax, grease, oil and similar contaminating substances. When hard, adhered adhesive residues are present, they should be of sufficient cohesive strength to support the applied smoothing compound; a trial application is recommended to assess suitability. Do not apply ARDEX K 200 over old residues softened by water.

NOTE: If the floor is damp through construction moisture or rising damp, use ARDEX WPM 300 Hydrepoxy.

PRIMING

Priming is mandatory, especially on very absorbent subfloors such as self-smoothing compounds, concrete, cement/sand, and screeds. Use ARDEX P 51 primer to seal the pores, prevent air bubbles from rising through the applied mortar, maintain floor life, and promote excellent uniform adhesion to the substrate.

With very smooth, dense and non-absorbent subfloors it may be necessary to use ARDEX P 82 or ARDEX P 4 primer to ensure adequate adhesion of the subsequently applied ARDEX K 200.

For detailed suggestions, please consult ARDEX technical services.

MIXING

A 25 kg bag should be mixed with a maximum of 4.75 - 5.25 litres of cool, clean water.

The use of an ARDEX mixing paddle with a 10mm chuck and variable-speed drill ensures thorough mixing with maximum sheer yet minimum air entrapment and heat buildup. ARDEX mixing buckets are recommended to reduce the incidence of unmixed powder around the bottom of the bucket. Always add correctly measured water to a clean mixing bucket first.

ARDEX K 200 powder should then be added whilst stirring slowly. Mix steadily and thoroughly until a lump-free fluid mortar is produced.

After approximately two minutes of mixing, scrape down the sides and around the bottom of the bucket to ensure no deposits of dry powder. Continue mixing for another minute until an even consistency is achieved.

Split bags of ARDEX K 200 for partial mixing are not recommended.

APPLICATION

Pour ARDEX K 200 mortar onto the primed subfloor and use a steel finishing trowel or float to spread the mortar and finish off. The mixed mortar will flow out and self-smooth within the first 15 minutes of its 20-minute working time. Roll the surfaces with a spike roll to release all entrapped air within the wet mortar.

DRYING AND HARDENING

A 5mm layer of ARDEX K 200 is walkable after approximately 3 hours and ready to receive floor coverings after 24 hours at 30°C. In case of air humidity and low temperature, it can take longer time to dry and may take up to 48 hours before floor coverings are installed.

COVERAGE

Approximately 1.75kg ARDEX K 200 powder/m²/mm, e.g. one 25kg bag will cover approximately 2.85m² at 5mm thickness.

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PACKAGING

ARDEX K 200 is packed in paper sacks incorporating a polyethylene liner - net weight 25kg.

STORAGE AND SHELF LIFE

ARDEX K 200 should be stored under the same conditions as cement; store ARDEX K 200 in cool, dry-shaded warehouses. ARDEX K 200 should not be stored in direct contact with the floor. When stored under the correct conditions, ARDEX K 200 will have a shelf life of 6 months.

TECHNICAL DATA

Bulk density of powder:	approx. 1.4 kg/L
Working time at 30°C:	approx. 25 minutes
Initial setting time:	approx. 40 - 60 minutes
Final setting time:	approx. 60 - 80 minutes
Compressive Strength	
24 hours:	> 10 MPa
7 days:	> 20 MPa
28 days:	> 28 MPa
Flexural Strength	
1 day:	> 4 MPa
7 days:	> 5 MPa
28 days:	> 6 MPa

SAFETY PRECAUTIONS

ARDEX K 200 is considered non-hazardous in normal usage. However, it contains Portland cement & quartz sand and reacts alkaline, which may cause skin irritation after prolonged contact. Avoid the generation and breathing of dust. Avoid contact with eyes or skin. Wear suitable protective dust mask, gloves and safety glasses. In case of contact with eyes, rinse for several minutes under running water. In case of contact with skin, rinse with running water. If dust is inhaled, remove it to fresh air, ensure the breathing passages are clear, and rinse the mouth with water. In the case of adverse symptoms, seek medical advice. Physiologically and ecologically safe when in the cured state. Consult the relevant Safe-ty Datasheet

for further information (available upon request and online at www.ardex-quickseal.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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