



ARDEX K 310

Self-smoothing compound as underlayment

Single component

Excellent adhesion

Fast-drying for early utilisation

Superior self-levelling, smoothing properties

User-friendly

Low odour

Long working time

Good storage stability under warehouse condition

Green Label certified



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ARDEX K 310

Self-Smoothing Compound as underlayment

DESCRIPTION

ARDEX K 310 is a single component, rapid setting, self-levelling and smoothing compound with built-in synthetic latex polymer. Suitable for preparing interior prior to laying parquet, vinyl sheet and tile, soft coverings, natural stone, ceramic tiles, etc. It can be used on a wide range of absorbent and non-absorbent substrates including concrete, cement, sand screeds and ceramic.

USE

ARDEX K 310 is used for smoothing concrete or screed before the installation of vinyl & rubber sheets, tiles, paving slabs, levelling of old and worn concrete screeds.

BENEFITS

- Single component (just mix with water)
- Excellent adhesion to primed substrates
- Fast-drying for early utilisation (rapid setting and early strength)
- Superior self-levelling and smooth property
- User-friendly: easy and quick to lay
- Low odour
- Long working time
- Good storage stability under warehouse condition

SURFACE PREPARATION

The substrate must be dry, clean and sound, free of dust, loose particles, grease or any other contaminants. Surfaces should be smooth and free from honeycomb cracks, protrusions or voids. Concrete surfaces should be free from laitance which, if present, should be removed by scabbling or grit blasting to produce a sound surface. After cleaning, the floor must be swept free of dust and damped down with water to satisfy the natural absorption. Pools of water must be dispersed. All joints must be raked out and filled with a stiff mix of smoothing compound.

PRIMING

Prime with ARDEX P 51 for concrete/sand screed or ARDEX P 82 for impervious substrates.

MIXING

Add 5.5 - 6L of clean water to a suitable mixing bucket and smoothly add the ARDEX K 310 pow-

der. Mix steadily and thoroughly with an electric drill (min. 680rpm) until a lump-free, fluid mortar is produced. After approx. two minutes 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. The mixed material is immediately ready to use and should be used within 10 minutes after mixing.

APPLICATION

Pour the mixed material onto the floor immediately after mixing and spread with wide sweeping strokes using a plasterer's plastic or steel float. Use pressure and work well into the corners and around projections. Leave a neat edge for subsequent batches. Subsequent mixes should be poured into the wet edges of the previous mix. Old, partially set material must be scraped up and discarded.

THICKNESS

It can be laid at depths from 3mm up to 8mm in one application. For 9-10mm, incorporate up to an equal volume for 3mm single sized quartz sand. For thickness exceeding 20mm up to 35mm, up to an equal volume of 3 - 8mm aggregate may be used. Use the water ratio of approx. 22 - 24% to ARDEX K 310 and the aggregate without further addition of water

DRYING TIME

Light foot traffic allowed after approx. 3 hours. Ready for floor coverings after 48 hours at a thickness of 3mm.

COVERAGE

Depending on the roughness and surface profile of the floor, the application thickness is 3mm and the coverage will be approx. 5m² per 25kg bag.

STORAGE AND SHELF LIFE

ARDEX K 310 should be stored under the same conditions as cement; store ARDEX K 310 in cool, dry shaded warehouses. ARDEX K 310 should not be stored in direct contact with the floor. When stored under the correct conditions ARDEX K 310 will have a shelf life of 6 months.

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TECHNICAL DATA

Form:	grey powder
Working time at 30°C:	approx. 25 - 30 minutes
Flow life at 30°C:	approx. 10 minutes
Initial setting time:	approx. 60 minutes
Final setting time:	approx. 90 minutes
Walkability:	approx. 3 hours
Compressive Strength	
24 hours:	≥ 8 N/mm ²
7 days:	≥ 22 N/mm ²
28 days:	≥ 28 N/mm ²
Flexural Strength	
1 day:	≥ 1 N/mm ²
7 days:	≥ 4 N/mm ²
28 days:	≥ 5.1 N/mm ²

SAFETY PRECAUTIONS

ARDEX K 310 contains more than 20% cement and is therefore classified as irritating to eyes and skin. For this reason, the following precautions should be observed: 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 keep the product out of the reach of children. Avoid generation of airborne dust during mixing. Additional information is in the Material Safety Data Sheet (SDS) available upon request and online at www.ardex-quicseal.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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