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# ARDEX K10



## Self-Levelling Underlayment

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Excellent levelling and self-healing properties with long open times,  
Can be reactivated

Use to level and smooth interior concrete, terrazzo, ceramic and  
quarry tiles and epoxy coating systems

Easy to install – from 1.5mm to 15mm in one pour

Walkable in 2-3 hours

Install non-moisture sensitive tile and stone after 6 hours, most  
other floor coverings after 24 hours

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# ARDEX K10 Reactiv8™

## Self-Levelling Underlayment

### DESCRIPTION

ARDEX K 10 Reactiv8™ is a premium self-levelling and smoothing compound that is used to level and smooth interior concrete, correctly prepared terrazzo, ceramic or quarry tiles or prepared epoxy coating systems, on concrete prior to the installation of finished flooring – on, above or below grade.

ARDEX K 10 Reactiv8™ is a specialist cement blend levelling compound. When mixed with water the result is a neat, highly flowing self-smoothing mortar which keeps a wet edge up to 20 minutes at 23°C. ARDEX K 10 Reactiv8™ can maintain its healing properties for up to 20 minutes at 23°C. The compound can be applied within approx. 30 minutes and is walkable within approx. 2-3 hours. ARDEX K 10 Reactiv8™ hardens quickly by hydration and drying to become a low-tension floor levelling compound.

Pourable or pumpable when mixed with water, ARDEX K 10 Reactiv8™ provides a durable, flat, smooth floor surface with minimum labour.

### SUBSTRATE PREPARATION

Floors must be solid, clean and free of wax, grease, asphalt, latex compounds, curing and sealing compounds and any other surface contaminant. Mechanically clean the floor using recommended preparation methods such as shot blasting, scarifying, diamond grinding, shaving or other suitable methods to provide a roughened, clean, sound, solid and open porous surface. Acid etching is not an acceptable method of cleaning the subfloor.

Do not use solvents or sweeping compounds. Subfloors must be dry (AS 1884:2012) and properly primed for successful installation. Subfloor temperatures must be a minimum of 10°C. For further information, contact ARDEX Technical Services.

### PRIMING

Use ARDEX P 51 over standard concrete floors prior to the installation of ARDEX levelling compounds.

- Mix 1 part ARDEX P 51 with 2 parts water and apply evenly using a bristle broom. Do not use paint rollers, mops, or spray equipment. Do not leave any bare spots. Brush off all puddles of excess primer. Allow to dry to a thin, clear film (min. 3 hours, max. 24 hours).
- Very absorbent concrete may require two applications of primer to avoid pinholes and bubbling in the levelling compound. In such cases, make the initial coat 1 part ARDEX P 51 diluted with 3 parts water. Allow to dry and install a second coat of 1 part ARDEX P 51 diluted with 1 part water. Allow to dry to a thin, clear film (min. 3 hours, max. 24 hours).

Note: Low subfloor temperatures and/or high ambient humidity require longer drying time for ARDEX primers.

- Do not install levelling compounds until primers have dried thoroughly.

### PRIMING FOR NON-POROUS

Non-porous substrates such as burnished concrete, terrazzo, ceramic and quarry tiles and epoxy coating systems must be suitably prepared and then primed with ARDEX P 82™ Ultra Prime or ARDEX P 9. Follow the mixing instructions on the container, and

apply with a short-nap or sponge paint roller, leaving a thin coat of primer. Do not leave any bare spots. Back roll with a dry roller to remove excess primer. ARDEX P 82™ should be applied within 1 hour of mixing. Allow primer to dry to a thin, slightly tacky film (min. 3 hours, max. 24 hours).

Note: If the concrete is porous, prime with ARDEX P 51. If it is non-porous, prime with ARDEX P 82™.

### JOINTS AND CRACKS

ARDEX K 10 Reactiv8™ is used to smooth floors and is not a repair system for covering active and moving substrate cracks or to fill movement joints.

All existing expansion joints, isolation joints and construction joints must be reinstated through the underlayment and floor covering system.

As required, dormant cracks and shrinkage control joints can be filled with ARDEX A 45 after being opened out, or by injection with ARDEX RA 88 epoxy repair resin.

Follow the instructions in each products technical data sheet.

Please note that RA 88 whilst sticky is fully covered with clean and dry broadcast sand (ARDEX Primer sand), to provide a keyed surface for covering with ARDEX smoothing cements.

Note: Active cracks in the subfloor need to be repaired with appropriate engineering solutions and should be referred to an accredited engineer for recommendations.

Whilst repairs can be done with ARDEX repair products like ARDEX A 45 and RA 88 to allow the subfloor to smoothed, these materials are not intended to be used for structural repairs and cannot restrain movements, hence they will not prevent cracks re-appearing and telegraphing through the floor finish when the subfloor continues to move.

They are also not intended to be placed in expansion or movement joints, which require filling with a flexible sealant or proprietary jointing system.

### MIXING RATIO

4.4 litres of water to 20kg of ARDEX K 10 Reactiv8™ powder.

### MIXING AND APPLICATION

#### MANUALLY

ARDEX floor levelling products react and harden quickly when mixed with water. Thorough mixing in the shortest possible time is essential to ensure a lump free mortar. Always mix the powder into the water. The most efficient method of mixing is by using an ARDEX mixing paddle and a heavy duty electric drill (650rpm). Normal mixing time of a 20kg bag is 2 to 3 minutes. Concrete mixers and hand mixing are not suitable methods of mixing. To 4.4 litres of water, add the ARDEX K 10 Reactiv8™ (20kg) whilst mixing thoroughly. DO NOT OVERWATER, yellowish foam while mixing, or settling of the sand aggregate indicates overwatering.

#### REACTIVATE ARDEX K 10

After 10-20 minutes, ARDEX K 10 Reactiv8™ will start to set. However, ARDEX K 10 Reactiv8™ is reactivatable and can maintain

its healing properties for up to 20 minutes, depending on job site conditions. To reactivate, remix in bucket to liquid consistency. Pour reinvigorated mix into existing wet edge of laid ARDEX K 10 Reactiv8™. Blend the two pours together gently with a steel trowel.

## PUMPING

For ease and efficiency of application, ARDEX K 10 Reactiv8™ can be pumped with an ARDEX approved Mixing Pump.

## THICKNESS OF APPLICATION

Install ARDEX K 10 Reactiv8™ at a minimum thickness of 1.5mm and up to 15mm thick. To match existing elevations, ARDEX K 10 Reactiv8™ can be tapered to as thin an application as the sand in the material will allow. If a true featheredge is needed, ARDEX recommends using ARDEX FEATHER FINISH for transitions.

## WEAR SURFACE

ARDEX K 10 Reactiv8™ is not to be used as a permanent wear surface, even if coated or sealed. ARDEX K 10 Reactiv8™ must be covered by a suitable floor covering material, such as carpet, vinyl flooring, ceramic tile, etc.

## INSTALLATION OF FLOORING

ARDEX K 10 Reactiv8™ is walkable 2 to 3 hours after installation. The cure time required prior to installing flooring will vary with the thickness of the ARDEX K 10 Reactiv8™ installation and the type of flooring being installed. All dry times are calculated at 23°C. Drying time is a function of jobsite temperature and humidity conditions, as well as the installation thickness. Low substrate temperatures and/or high ambient humidity will extend the drying time, whilst higher temperatures and low humidity will shorten the drying time. Adequate ventilation and heat will aid drying. Forced drying can dry the surface of the underlayment prematurely and is not recommended.

## TECHNICAL DATA

Mixing Ratio:	4.4L of water per 20kg bag
Coverage:	1.7kg powder/mm/m <sup>2</sup> or 4m <sup>2</sup> at 3mm thick.
Flow Time:	up to 25 minutes
Compressive Strength:	(33MPa) at 28 days
Flexural Strength:	(7MPa) at 28 days
Walkable:	2 to 3 hours
Packaging:	20kg bag
Storage:	Store in a cool, dry area. Do not leave bags exposed to sun.
Shelf Life:	12 months if stored in unopened packaging.

## HEALTH AND SAFETY

ARDEX K 10 Reactiv8™ contains Portland cement and Quartz sand. Avoid generation of dust. Do not inhale dust. Avoid contact with eyes or skin. Wear suitable protective gloves and safety glasses. In case of contact with eyes, rinse opened eye for several minutes under running water. In case of contact with skin, rinse

affected areas thoroughly with running water. If dust is inhaled, remove to fresh air, ensure breathing passages are clear, and rinse mouth with running water. If symptoms persist, seek medical advice. Safety Data Sheets are available on request.

## GUARANTEE

ARDEX Australia Pty Ltd (“we” or “us”) guarantees this product (“our goods”) is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a “consumer” under the Australian Consumer Law and to that extent you need to be aware that: “Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure”.

## DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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