ARDEX K60 ARDITEX

Rapid Setting Latex Smoothing & Levelling Compound

Versatile – Timber and damp concrete substrates

No priming required in most applications

Excellent adhesion with high water resistance

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DESCRIPTION

ARDEX K 60 ARDITEX self smoothing and levelling compound consists of a two part latex liquid and cementitious powder. It possesses outstanding adhesion properties, making it an ideal choice for various surfaces. Additionally, this compound has been engineered to have high water resistance, allowing it to be used under flexible waterproof membranes.

Its enhanced flexibility makes it especially suitable for installation over timber floors, all without the need for priming.

SUBSTRATES

- New & existing concrete
- Concrete subfloors with electric under floor heating
- Timber floors
- Terrazzo, quarry & ceramic tiles
- Existing epoxy coatings*
- Lightweight autoclave concrete*
- Primer treated metal*
- ARDEX A 38, ARDEX A 48, ARDEX K 900 BF.

*Substrates with special requirements (Contact ARDEX Technical Services for more information)

SURFACE PREPARATION

Subfloors must be solid, clean and free of dust, plaster droppings, grease, paint, polish, any other surface contaminants, and loosely adhered or water-soluble material. Prior to levelling wooden floors, re-nail and firmly fix all loose boards. Due to wax coatings and sealers used on some brands of particle bioard/chipboard, it is necessary to remove these coatings by mechanical means, such as sanding.

Where timber floors are sufficiently rigid but are uneven, worn or where there is differential movement between floor boards, the technique is to pre-level timber with ARDEX K60 ARDITEX prior to screw or ring nail fixing 6mm-12mm thick plywood or fibre cement sheets to provide a sound and stable base for the new flooring. In all cases, subfloor ventilation must be adequate to prevent the build-up of dampness.

DAMP OR GREEN CONCRETE

When a concrete substrate moisture content is measured at greater than 80% relative humidity (ASTM F2170) or exceeds 15g/m^2/24hrs (ASTM F1869) when tested in accordance with AS 1884.

Option 1 - A single coat of ARDEX WPM 300 applied at 3m^2/litre will act of a moisture stop for green concrete not subject to rising damp or permanent moisture. To make ready for a levelling compound, ARDEX Primer Sand should be broadcast over the wet ARDEX WPM 300 as per the technical data sheet. Let cure overnight prior to removing the excess sand

Option 2 - A single coat of ARDEX WPM 368 applied at 3m^2/litre per coat acts as a moisture stop for 'green concrete not subject to rising damp or permanent moisture. The ARDEX levelling compound can be applied directly onto the cured WPM 368 without the need of primer

Where rising damp is present or concrete moisture exceeds 90% RH, consult ARDEX technical bulletin 192 - Smoothing Cement - Moisture Barrier Systems or contact ARDEX Technical Services (1300 788 780)

PRIMING

No priming is required in most applications. Although ARDEX K60 ARDITEX will bond without priming, to minimise the potential for pinholes, absorbent concrete can be primed with ARDEX P 51 Primer diluted 1:2 with water.

It is critical to ensure that the ARDEX P 51 Primer is dry prior to proceeding with the next installation step.

MIXING RATIO

To 4.8 litres of ARDEX K60 ARDITEX latex liquid, add the ARDEX K60 ARDITEX powder (20kg) whilst mixing thoroughly for 2 minutes with heavy duty electric drill (650 rpm) to ensure a lump free mortar.

MIXING

ARDEX floor levelling products react and harden quickly when mixed with gauging liquid. Thorough mixing in the shortest possible time is essential to ensure a lump free mortar. Always mix the powder into the liquid. The most efficient method of mixing is by using the ARDEX mixing paddle and a heavy duty electric drill (650 rpm). Normal mixing time of a 20kg bag is 2 to 3 minutes. Concrete mixers and hand mixing are not suitable methods of mixing.

MANUAL INSTALLATION

Pour the mixed ARDEX K60 ARDITEX onto the prepared subfloor. Wear football boots with rubber or nylon studs to avoid leaving unnecessary marks in the liquid ARDEX K60 ARDITEX, Spread into place using the ARDEX gauging rake with height adjustment to obtain an even thickness. Use ARDEX stand-up spreader for smoothing and where necessary the ARDEX hand trowel. Do not rework the ARDEX K60 ARDITEX after 10 minutes.

If required, additional layers of ARDEX K60 ARDITEX can be applied once the previous layer has hardened sufficiently. Prime between layers.

INSTALLATION OVER ADHESIVE RESIDUE

ARDEX K60 ARDITEX may be used in applications over sound, well bonded and moisture insoluble adhesive residue. As a guideline, residue should not exceed 33% per square metre, no individual agglomeration of residue to exceed

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50x50mm in area and shall be less than 1mm in thickness. Remove all poorly bonded residue and always thoroughly vacuum. Always confirm installation on site by conducting a representative trial area.

CAUTION: Installation best practice is to grind all floors clean of adhesive and other residue. Installing over adhesive residue or other contaminants will increase the risk of application failure. ARDEX Australia P/L accepts no liability where ARDEX K60 ARDITEX is installed over excessive, water soluble or poorly adhered residue.

THICKNESS

ARDEX K60 ARDITEX can be applied from featheredge to 12mm in one application. For thicknesses from 12-30mm ARDEX K60 ARDITEX should be mixed with ARDEX 2-5mm aggregate.

Mix ARDEX K60 ARDITEX powder into ARDEX K60 ARDITEX latex liquid (4.8L) first then add the aggregate (up to an equal weight of powder) whilst mixing. Mixes with high aggregate content may require a finishing layer of ARDEX K60 ARDITEX. If a finishing layer is applied, the base layer should be primed to prevent pinholes and to improve the flow of the finishing layer.

COVERAGE

Approximately 1.8kg/mm/m^2. A 20kg bag will cover approximately 13m^2 at 1mm thickness

DRYING-HARDENING

Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.) Walkable from 2 hours. Tiles such as ceramic, quarry, porcelain and breathable synthetic textile coverings in 4-5 hours. Ready for Rubber, PVC Vinyl, Linoleum and wool textile floor coverings in 24 hours when installed less than 12mm in thickness.

Always comply with floor covering manufacturer's moisture instructions. Higher temperatures will reduce the setting, hardening and drying time, whilst lower temperatures will extend drying time.

SHELF LIFE

ARDEX K60 ARDITEX has a shelf life of 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

TECHNICAL PROPERTIES	
Bulk density of powder	Approx 1.2kg/L
Mixed mortar density	Approx 1.8kg/L
Packaging	20kg Bag 4.8L Latex Liquid

COMPRESSIVE STRENGTH	
After 1 day	Approx 5 MPa
After 3 days	Approx 6 MPa
After 7 days	Approx 10 MPa
After 28 days	Approx 13 MPa

FLEXURAL STRENGTH	
After 1 day	Approx 2.0 MPa
After 3 days	Approx 3.5 MPa
After 7 days	Approx 4.5 MPa
After 28 days	Approx 6.0 MPa

SAFETY DATA

This product causes irritation and may cause an allergic skin reaction. It may cause respiratory irritation and causes serious eye damage. In case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check with your local Council regarding the disposal of contents, dispose of packaging thoughtfully and recycle where possible. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at ardexaustralia.com

ARDEX K60 ARDITEX powder is considered hazardous and the liquid is considered non-hazardous.

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

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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, 2 Buda Way,Kemps Creek, NSW 2178; Toll Free: 1800 224 070; Email: 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 Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. 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 affect 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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