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# ARDEX K 65

## Single Part Timber Leveller

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Ideal for timber substrates

Rapid hardening - walkable in just 2 hours

Ready for most floorcoverings the next day

Microtec Fibre-Reinforced

Highly versatile - apply from 3mm - 20mm or up to 50mm with addition of suitable aggregate

Suitable for use with underfloor heating systems

Coverage is approximately 4.5m<sup>2</sup> at 3mm thickness

Low VOC



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# ARDEX K 65

## Single Part Timber Leveller

### DESCRIPTION

ARDEX K 65 is an advanced fibre reinforced smoothing and levelling compound for internal use, featuring MICROTEC technology that is designed to rapidly smooth and level new and existing substrates prior to applying a floor finish. ARDEX K 65 can be applied to timber substrates and can normally be walked on after approximately 2 hours at 23°C.

### SUITABLE SUBSTRATES

- New and existing strip timber
- Particleboard, plywood, concrete
- Compressed fibre cement flooring, terrazzo, quarry and ceramic tiles
- Concrete subfloors with electric under floor heating
- Lightweight autoclave concrete\*

### SUITABLE COVERINGS

- Carpet and Carpet Tiles
- Vinyl
- LVT
- Ceramic and Porcelain Tiles
- Floating Floors

\*Contact ARDEX Technical Services for more information.

For other suitable substrates, contact ARDEX Technical Services.

### SURFACE PREPARATION

Sub-floors must be solid, clean and free of dust, plaster droppings, grease, paint, oil, polish and loosely adhered or water-softenable material. Prior to levelling wooden floors, re-nail and firmly fix all loose boards.

### SUITABLE PRIMERS

- ARDEX Multiprime
- ARDEX P 51
- ARDEX P 82
- ARDEX P 9 Primer

### 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 push 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).

Due to wax coatings and sealers used on some brands of particle board/chipboard, it is necessary to remove these coatings by mechanical means, such as sanding. Prime the prepared substrate with ARDEX P 82 or ARDEX P 9 for particle board.

For ARDEX P 82, mix part A with part B and apply with a short-nap or sponge paint roller, leaving a thin transparent pink coat of primer no heavier than a coat of paint. Do not leave any bare spots. Roll off any areas of excess primer. Allow to dry to a thin, slightly tacky film (min. 3 hours, max. 24 hours). ARDEX P 82 must be applied in a thin layer within 1 hour of mixing. Do not install levelling compounds until primers have dried to the recommended time frame.

ARDEX P9 Single Part Primer can be applied directly to particle board. ARDEX P9 Single Part Primer should not be used on strip timber substrates.

**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.

### WOODEN SUBSTRATES

Ensure that new or existing floor boards are conditioned to the environment in which they will be used and are rigidly fixed, ventilated beneath and free from barriers to adhesion.

Existing tongue and groove floor boards of traditional construction should be screwed or ring nailed down to the joists to provide a rigidly fixed, flat and adequately braced surface.

Any existing floor polish, wax, old adhesive, etc., should be removed, e.g. by sanding to expose a clean surface prior to smoothing.

**NOTE:** Floating floors and direct stick timber flooring are not suitable substrates.

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Plywood and flooring grade non moisture resistant chipboard should have the backs and edges sealed e.g. with polyurethane varnish and be at least 18mm thick and screwed or ring nailed down to the joists at 300mm centres or less.

The board surface should be clean and free of barriers to adhesion e.g. fire retardants, impregnated wax etc. Some chipboard floor systems require the joints to be glued together and guidance from the manufacturer should be sought.

### MIXING

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 4.8 - 5.0 litres of water, add the ARDEX K 65 (20kg) whilst mixing thoroughly. Ensure not to overwater.

### MANUAL INSTALLATION

Pour the mixed ARDEX K 65 onto the prepared subfloor and spread in place using the ARDEX stand-up spreader or ARDEX hand trowel. Use the ARDEX gauging tool with height adjustment to obtain an even thickness.

Do not rework ARDEX K 65 after 10 minutes. Wear football boots with rubber or nylon studs to avoid leaving marks in the liquid ARDEX K 65. If required, additional layers of ARDEX K 65 can be applied once the previous layer is dry.

### APPLICATIONS OVER UNDERFLOOR HEATING

The engineered screed/concrete subfloor should have been laid in accordance with Australian Standard AS 1884. The underfloor heating system should have been commissioned in accordance with the manufacturer's instructions and in accordance with Australian Standard AS 1884.

Once thermally cycled and commissioned the underfloor heating system should be turned down to 15°C before the installation of the ARDEX K 65 smoothing compound and final floor covering. The underfloor heating system should then be gradually re-commissioned to avoid rapid thermal shock and temperature variation.

### PUMPING INSTALLATION

For ease and efficiency of application, ARDEX K 65 can be pumped with an ARDEX approved pump.

### THICKNESS

ARDEX K 65 can be applied from 3.0 – 20mm in one application without aggregate. For areas requiring a thickness over 20mm to a maximum of 50mm onto sand/cement engineered screeds or concrete, ARDEX K 65 must be mixed with a well washed and dried 2 – 5mm aggregate.

Mix ARDEX K 65 with specified water then add ARDEX 2-5mm aggregate.

### DRYING AND HARDENING

Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)

Walkable from 2-3 hours. Conventionally laid carpet and floating floors can be installed after 24 hours. Direct stick applications such as vinyl flooring after 48 hours.

### COVERAGE

Approximately 1.4kg of ARDEX K 65 powder/m<sup>2</sup>/mm, e.g. one bag will cover approximately 4.5m<sup>2</sup> at 3mm thickness.

**NOTE:** The coverage figure above is based on a flat level surface, additional material should be allowed for where the surface is rough or uneven.

### PACKAGING

ARDEX K65 is packed in paper sacks incorporating a polyethylene liner – net weight 20kg.

### SHELF LIFE

ARDEX K 65 has a shelf life of 12 months when stored in dry conditions in unopened packaging at 23°C and 50% relative humidity.

### PAY ATTENTION TO THE FOLLOWING

ARDEX K65 is not suitable for the installation of direct stick timber flooring.

Before any substrate preparation, installation or finishing methods relating to ARDEX product are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

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### SAFETY DATA

This product may cause irritation and an allergic reaction to the skin. It may cause serious eye damage, irritation to the respiratory system and may cause cancer. 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 0800 764 766 (NZ) or call a doctor if you feel unwell. At times, updates can occur to data. For additional information and to ensure you have the most current technical and safety information, please consult the latest Safety Data Sheet (SDS) and Technical Data Sheet found on the product page at [ardex.co.nz](http://ardex.co.nz)

### TECHNICAL DATA

<b>Bulk density</b>	approx. 1.2kg/L
<b>Fresh mortar weight</b>	approx. 1.8kg/L
<b>Walkability</b>	approx. 2 hours after application
<b>Ready to receive floor coverings</b>	24 hours for carpet application and 48 hours for vinyl application at 23°C
<b>Compressive strength</b>	After 1 day approx. 10 MPa After 7 days approx. 20 MPa After 28 days approx. 30 MPa
<b>Tensile bending strength</b>	After 1 day approx. 5 MPa After 7 days approx. 8 MPa After 28 days approx. 10 MPa

### 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 New Zealand and/or 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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