



# ARDIT TIMBER FLOOR LEVELLER



DUNLOP ARDIT TIMBER FLOOR LEVELLER is an advanced fibre reinforced smoothing and levelling compound for internal use. It incorporates MICROTEC technology that is designed to rapidly smooth and level new and existing substrates prior to applying the finished floor covering such as ceramic tiles, carpet, floating floor boards or vinyl flooring. DUNLOP ARDIT TIMBER FLOOR LEVELLER provides excellent adhesion and flexibility and can normally be walked on approximately 2 hours after application – at an ambient temperature of 23°C or more.

## 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\*

\*Contact Dunlop Technical Services for other suitable substrates or further information.

## SUITABLE COVERINGS

- Carpet
- Ceramic Tiles
- Luxury Vinyl Tiles (LVT)
- Carpet Tiles
- Floating Floors
- Direct Stick Timber

## SURFACE PREPARATION

All timber floors must be sanded prior to using DUNLOP ARDIT TIMBER FLOOR LEVELLER. Sub-floors must be solid, clean and free of dust, plaster droppings, grease, paint, polish and any loosely adhered or water-softenable material. On absorbent surfaces it is necessary to prime the surface (see priming instructions). Prior to levelling wooden floors, re-nail and firmly fix all loose boards. Where timber floors are sufficiently rigid but are uneven or worn, or where there is differential movement between floor boards, the technique is to pre-level the timber with DUNLOP ARDIT TIMBER FLOOR LEVELLER prior to screw or nail fixing 6mm–12mm thick plywood or fibre-cement sheets to provide a sound and stable base for the new flooring. Subfloor ventilation must be adequate to prevent deterioration and moisture movement.

## PRIMING

On absorbent surfaces it is necessary to prime the surface using a brush or broom. Allow the primer to dry before applying the DUNLOP ARDIT TIMBER FLOOR LEVELLER. Note: Only use enough primer to cover the prepared surface in a thin layer.

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 DUNLOP BOND COAT for particle board.

DUNLOP BOND COAT can be applied directly to particle board. DUNLOP BOND COAT should not be used on strip timber substrates.

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

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

DUNLOP 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 a mixing paddle and a heavy duty electric drill (650rpm). Normal mixing time of a 15kg bag is 2 to 3 minutes. Concrete mixers and hand mixing are not suitable methods of mixing. To 3.6 – 3.75 litres of water, add the DUNLOP ARDIT TIMBER FLOOR LEVELLER (15kg) whilst mixing thoroughly. Ensure not to overwater.

## MANUAL INSTALLATION

Pour the mixed DUNLOP ARDIT TIMBER FLOOR LEVELLER onto the prepared subfloor and spread in place using a stand-up spreader or hand trowel. Do not rework DUNLOP ARDIT TIMBER FLOOR LEVELLER after 10 minutes. Wear football boots with rubber or nylon studs to avoid leaving marks in the liquid DUNLOP ARDIT TIMBER FLOOR LEVELLER. If required, additional layers 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 DUNLOP ARDIT TIMBER FLOOR LEVELLER smoothing compound and final floor covering. The underfloor heating system should then be gradually re-commissioned to avoid rapid thermal shock and temperature variation.



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## THICKNESS

DUNLOP ARDIT TIMBER FLOOR LEVELLER 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, DUNLOP ARDIT TIMBER FLOOR LEVELLER must be mixed with a well washed and dried 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 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 DUNLOP ARDIT TIMBER FLOOR LEVELLER powder/m<sup>2</sup>/mm, e.g. one bag will cover approximately 3m<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.

## SHELF LIFE

DUNLOP ARDIT TIMBER FLOOR LEVELLER 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

Before any substrate preparation, installation or finishing methods relating to Dunlop 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.

## SAFETY DATA

This product causes skin irritation and serious eye damage. It may cause an allergic skin reaction, respiratory irritation or cancer. In case of contact with the eyes rinse continually with water for several 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. Keep out of the reach of children. If exposed or concerned get medical advice/attention and call a doctor if you feel unwell. Store locked up. 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 [dunloptrade.com.au](http://dunloptrade.com.au)

## GUARANTEE

ARDEX Australia Pty Ltd (“we” or “us”) guarantees this product (also referred to as “our goods”) is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of application of the product if such application occurs within this product’s specified shelf life. 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 the cost of such

replacement or repair, 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 and faulty workmanship on the part of any installer or applicator of the product. If you wish to make a claim under this guarantee you must notify us (address: 2 Buda Way, Kemps Creek NSW 2178 Australia; toll no: 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 and to undertake any inspections and tests necessary to establish your rights under this guarantee. 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 being employed and other products in that 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.

This datasheet was issued in July 2024 and is valid for 3 years, unless updated sooner. Always refer to [dunloptrade.com.au](http://dunloptrade.com.au) for the latest technical data from ARDEX Australia Pty. Ltd.