

UNIVERSAL TILE ADHESIVE



DUNLOP UNIVERSAL TILE ADHESIVE is a high performance wall and floor tile adhesive suitable for most tiling applications. The adhesive is great to work with and is flexible and non-slump making it ideal for use over many surfaces as well as most tile types including large format tiles. Suitable for both indoor and outdoor use, DUNLOP UNIVERSAL can even be used for swimming pools. Exceeds the standard ISO 13007.

SUBSTRATES

Suitable for use over concrete, render, screeds, fibre-cement sheet, plasterboard walls, compressed fibre-cement sheet floors, Dunlop Waterproofing Membranes, existing ceramic tiles (indoors, dry areas) and ceramic tile underlay over timber.

TILE TYPES

Ceramic, porcelain, natural stone (excluding moisture sensitive stone), mosaics and fully vitrified tiles.

COLOUR: WHITE

CLASSIFICATION: C2TES1

SURFACE PREPARATION

Surfaces must be consistently flat and firmly fixed. Clean off dust, oil, grease and all loose contaminating materials. Ensure surfaces are dry before tiling, with no residue or permanent damp and ensure the surface is strong enough to support the weight of the tiles being fixed. Prime porous surfaces with DUNLOP PRIMER & ADDITIVE or DUNLOP MULTIPURPOSE PRIMER. Before fixing tiles, ensure the surfaces drying time has elapsed as per the Australian standard.

CONCRETE

Early age concrete must be at least 7 days old and no less than 20MPa. The surface should be true and level and pitched to drains where required. Remove any concrete sealers or curing compounds from the surface, e.g. chlorinated rubber, resin, wax sealers. Steel trowel finished concrete or smooth/dense concrete greater than 35MPa should be roughened mechanically to remove laitance and provide a good key for tiling.

FIBRE-CEMENT SHEET (WALLS), PLASTERBOARD AND COMPRESSED FIBRE-CEMENT SHEET FLOORS

Fix sheets according to manufacturer's instructions, ensuring that they are suitable for tiling over. Priming with DUNLOP PRIMER & ADDITIVE or DUNLOP MULTIPURPOSE PRIMER is recommended for fibre-cement sheets. Refer to manufacturers' installation guide for jointing compressed fibre-cement sheets. Tiling over compressed fibre-cement sheet for outdoor applications should be carried out as per the Australian standard AS 3958. Do not apply DUNLOP UNIVERSAL TILE ADHESIVE directly over timber floors.

CEMENT RENDER WALLS & SCREEDED FLOORS

Render/screeds should have a wood float finish to establish a mechanical key. Allow the surface at least 16 hours to cure before tiling and ensure screeds are pitched to drains where required.

PLASTERBOARD

Fix sheets according to instructions and ensure the sheets can support the tiles. Plasterboard does not require priming.

However where jointing compound is used, prime joints with DUNLOP PRIMER & ADDITIVE or DUNLOP MULTIPURPOSE PRIMER.

CERAMIC TILE UNDERLAY (CTU) OVER TIMBER FLOORS

Fix CTU as per the manufacturer's instructions. The CTU must be at least 6mm thick and made specifically for this purpose. Tiles under 100mm edge length cannot be fixed over CTU with DUNLOP UNIVERSAL TILE ADHESIVE.

DUNLOP WATERPROOFING MEMBRANES

Dunlop Waterproofing Membrane must be applied according to instructions and thoroughly dry prior to tiling.

EXISTING CERAMIC TILES (INDOOR ONLY)

The existing tiles must be firm and stable. Roughen the surface of existing tiles by mechanical means and clean off contamination and dust before tiling. Ensure that at least 80% of the glaze is removed. Alternatively use DUNLOP BONDCOAT as per the recommendations. This adhesive is not suitable for tiling over existing tiles in immersed applications, use DUNLOP TILE-ALL for this application.

MIXING

1. Use 5-6L for a 20kg or 1.25-1.5L for a 5kg bag.
2. Add DUNLOP UNIVERSAL TILE ADHESIVE powder to clean water in a clean container and mix to a creamy consistency.
3. Allow to stand for 3 minutes.
4. Re-stir the mixture thoroughly and the adhesive is ready for use for up to 3 hours at 23°C and 50% relative humidity. Do not use additional water.

APPLICATION RANGE

- Tiling practices must be in accordance with AS 3958. Ensure the surface has been prepared and the tiles are free from dust. Use the appropriate notched trowel to achieve 100% coverage, this will depend on the surface, type and size of tile. As a general guide, use a 6 x 6 x 6mm trowel on walls, 10 x 10 x 10mm trowel on floors. Do not apply adhesive at a bed thickness greater than 10mm or less than 3mm.
- Spread approximately one square metre at a time ensuring that a skin has not developed prior to bedding the tiles (this adhesive has an open time of 30 minutes before skinning occurs depending on site conditions and has an adjustment time of 30 minutes).
- Press and slide the tile at right angles to the notch pattern to ensure 100% coverage on the back of the tile.
- Deeply keyed quarry tiles and tiles greater than 450mm on an edge, do require buttering of the adhesive on the back of the tiles to ensure complete coverage.
- Lift a tile from time to time to check that there are no voids beneath the tile. Do not spot fix tiles.
- Any surplus adhesive must be removed from the surface of the



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tile and joints, before the adhesive sets.

- Allow adhesive to set firm (24 hours) before grouting and allowing foot traffic, depending on temperature and surface porosity.

DRYING TIMES & GROUTING

Approximately 24 hours, at 23°C and 50% relative humidity. Allow longer for dense tiles/substrates, humid climates and low temperatures.

Use DUNLOP COLOURED GROUT for flexible and mould resistant joints. For joints greater than 8mm, use DUNLOP WIDE JOINT GROUT. To enhance the colour of the grout, impart a degree of flexibility and reduce porosity and staining, use in conjunction with DUNLOP PRIMER & ADDITIVE.

MOVEMENT JOINTS

Movement joints must be in accordance with AS3958. As a general guide, movement joints should be incorporated at 3–5 metre intervals and around the perimeter of the floor. Any structural movement joints and penetrations must be carried through to the face of the tiling. These joints and penetrations must be approximately 6mm wide and kept free from adhesive and grout droppings. They shall be filled with a suitable flexible material such as DUNLOP COLOURED SILICONE or a proprietary joint system. For walls, incorporate movement joints at internal corners, fixtures interrupting the tile surface, at 3.5 metre intervals and storey height for external fixing.

COVERAGE

Coverage is approximate and will vary depending on the substrate condition and application technique. As a general guide, use a 6mm trowel for walls and 10mm trowel for floors.

Trowel Size	Coverage
6mm	0.55m ² /kg
10mm	0.35m ² /kg

Size	Walls	Floors
5kg	2.75m ²	1.75m ²
20kg	11m ²	7m ²

SIZES

5kg and 20kg

CLEAN UP

Clean tools in water immediately after use.

SHELF LIFE

12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

PRECAUTIONS

- Not suitable for use over floors with a deflection greater than the joist span divided by 300. Joist span must comply with AS1684.
- Do not use this adhesive to fix moisture sensitive natural stone (e.g. green marble).
- Do not use this adhesive over timber, metal or surfaces subject to shrinkage or movement.
- Do not apply at temperatures below 5°C.

SAFETY DATA

This product may cause irritation and an allergic reaction to the skin. It may cause serious eye injury and irritation to the respiratory system. 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 www.dunlopdij.com. Additional information is in the Safety Data Sheet (SDS) at www.dunlopdij.com.

10 YEAR 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 our 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: 7/20 Powers Road Seven Hills NSW 2147; phone: 1800222841; email: technicalservices@ar-dexaustralia.com), identify the product and provide evidence of your purchase and the subsequent application 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 January 2020 and is valid for 3 years, unless updated sooner. Always refer to www.dunlopdij.com for the latest technical data from ARDEX Australia Pty. Ltd.