



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 Australian Standard ISO 1007 (C2TES1 adhesive).

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 (particleboard or plywood).

TILES

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

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. 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 should be roughened mechanically to remove laitance and provide a good key for tiling. Smooth/dense concrete greater than 35MPa should be roughened mechanically to remove laitance and provide a good key for tiling.

Cement Render / Screeds

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.

Fibre-Cement Sheets (walls), Compressed Fibre Cement Sheets (floors)

Fix sheets according to manufacturer's instructions, ensuring that they are suitable for tiling over. Priming with DUNLOP PRIMER & ADDITIVE is recommended for 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.

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.

Dunlop Waterproofing Membranes

DUNLOP UNDERTILE WATERPROOFING must be applied according to instructions and thoroughly dry prior to tiling.

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.

Existing Ceramic Tiles (indoors only, dry areas)

The existing tiles must be firm and stable. Roughen the surface of existing tiles by mechanical means (both glazed and unglazed tiles) and clean off contamination and dust before tiling. Ensure that at least 80% of the glaze is removed. Suitable for indoor use only and not suitable for immersed applications e.g. swimming pools.

MIXING

Use approximately 5-6 litres of water per 20kg bag. The consistency of the adhesive can be slightly adjusted to suit site conditions/location as well as size, weight and type of tiles to be fixed. Do not apply at temperatures below 5°C.

- Add powder to clean water in a clean container and mix to a lump-free, thick creamy consistency.
- Allow to stand for 3 minutes.
- 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

- 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, 10x10x10mm 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 and an adjustment time of 30 minutes. Open time and adjustment time are dependant on site conditions).
- 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 some extruded tiles may require buttering of



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the adhesive on the back of the tiles to ensure complete coverage.

- Tiles should be laid with a joint width of no less than 3mm for floors and 1.5mm for walls.
- 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 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

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

GROUTING

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.

COVERAGE

20kg of UNIVERSAL TILE ADHESIVE is sufficient for approximately 11m² of tiling when using a 6 x 6 x 6mm notch trowel, and 7m² when using a 10 x 10 x 10mm notch trowel. Coverage will vary depending on site conditions, tile type and application technique.

CLEANING

All tools should be cleaned with water immediately after use.

PRODUCT PRECAUTIONS

- Not suitable for use over floors with a deflection greater than the joist span divided by 500. Joist span must comply with AS 1684.
- 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

SHELF LIFE

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

SAFETY

This product is considered non-hazardous in normal usage. The presence of cement in the product gives an alkaline mortar which may cause some irritation if prolonged contact with skin takes place. Avoid contact with skin and eyes; in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye protection and keep the product out of the reach of children. Avoid generation

of airborne dust during mixing. If swallowed, do not induce vomiting, give a glass of water and contact a doctor. For further information, the Material Safety Data Sheet is available on the Dunlop website.

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@ardexaustralia.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".

www.dunlopdiy.com

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