



TILE-ALL



DUNLOP®TILE-ALL is a wall and floor tile adhesive which can be used to fix almost all tiles over many difficult to adhere to surfaces such as metal, glazed ceramic tiles, roughened fibreglass and timber (particleboard only). DUNLOP®TILE-ALL is suitable for all types of ceramic tiles and natural stone (excluding moisture sensitive stone) in indoor, outdoor and constant immersion applications such as swimming pools.

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 dampness. Prime porous surfaces (e.g. fibre-cement sheet, cement render) with DUNLOP®PRIMER AND ADDITIVE and allow to dry.

Autoclaved Aerated Concrete (AAC):

Remove loose particles from the surface. Apply two coats of DUNLOP® PRIMER & ADDITIVE and allow to dry.

Particleboard Flooring (excluding chip board):

Particleboard must be structurally sound and free from abnormal deflection. The maximum load deflection must not exceed 1/360 of the span. Any surface coating must be completely removed back to the original timber. Prime with DUNLOP®PRIMER AND ADDITIVE and allow to dry. Tape sheet joints with PVC ducting tape.

Concrete Floors:

Allow at least four (4) weeks for concrete to cure prior to tiling. Screeds must be at least seven (7) days old. 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. It is not necessary to roughen steel trowel finished concrete, however the surface should be free from laitance. Heated concrete slabs must be allowed to cool to room temperature prior to tiling.

Cement Render Walls:

Render to consist of one part cement to three or four parts sand. Leave the render with a wood float finish to establish a mechanical key. Allow render at least 7 days to cure prior to tiling. It should be approximately 10mm in thickness.

Fibre-Cement Sheets and Plasterboards:

Fix sheets according to manufacturer's instructions and prime fibre-cement sheets with DUNLOP®PRIMER & ADDITIVE and allow to dry. It is not necessary to prime plasterboard. However, base jointing compound must be primed with DUNLOP®PRIMER & ADDITIVE and allowed to dry. Do not use topping compound in tiled areas. Compressed fibre-cement sheet joints should be taped with PVC duct tape prior to tiling.

Existing Vinyl and Cork Tiles:

Ensure tiles are well bonded to the substrate. Remove wax, polish and any loose tiles. Clean with sugar soap and a scourer then rinse with warm water.

Metal Surfaces:

Remove rust and millscale mechanically and any oil or grease with a solvent cleaner. Galvanised metal should be cleaned using high pressure water and scrubbing with a stiff broom. Prime all metal surfaces with an appropriate metal primer.

Existing Ceramic Tiles:

Existing tiles must be firm and stable. The surface does not need to be mechanically roughened. Thoroughly clean with sugar soap using an industrial grade scourer. Alternatively, use a hospital grade cleaner. Rinse and allow to dry.

Painted Surfaces:

Remove loose, flaking and blistering paint. Thoroughly clean with sugar soap using an industrial grade scourer. Alternatively, use a hospital grade cleaner. Rinse and allow to dry. If any doubt exists over the long-term integrity of the paint, roughen or remove by mechanical means. Water based (PVA and acrylic) paints must be completely removed.

Existing Vinyl Tile Adhesive (water-based only):

Thoroughly remove solvent based vinyl tile adhesive. Remove all loose and friable residue.

Blockwork and Brickwork:

Brickwork and blockwork must be sound, flush and level. Ensure all voids and raked out mortar joints are filled and excess mortar pared back. Prime with DUNLOP®PRIMER & ADDITIVE and allow to dry.

Butynol:

Butynol must be cleaned to remove any dust or contaminants using warm soapy water. If more stubborn soils remain, contact the DUNLOP Toll Free Service 1800 222 841. Allow surface to dry before the commencement of tiling.

Fibreglass:

Gel coat must be removed by grinding, to expose at least 80% of raw fibre. Remove loose dust and allow to dry prior to tiling.

MIXING

The mixed material is usable for approximately 45 minutes, depending on temperature and humidity.

1. Use 1.7kg of DUNLOP®TILE-ALL liquid with 5kg of DUNLOP®TILE-ALL powder (1 part liquid to 3 parts powder by weight).
2. Stir the DUNLOP®TILE-ALL liquid thoroughly and pour the accurate measure into a suitable clean plastic container.
3. Add DUNLOP®TILE-ALL powder to the liquid whilst stirring with a mechanical stirrer or spatula. Stir until both parts are homogeneously mixed. Do not mix more material than can be used within 45 minutes.
4. Allow to stand for 2 minutes, re-stir the mixture thoroughly and it is ready to use.

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- Re-stirring the mixture can be carried out up until the pot life has expired. Do not add more liquid to reinvigorate the mix.

APPLICATION

- Apply the adhesive to the surface with an appropriate notch trowel: 6mm trowel for walls and 10mm trowel for floors.
- Spread only 1 square metre at a time and ensure a skin has not developed on the adhesive before bedding tiles. Do not apply DUNLOP®TILE-ALL at a bed thickness greater than 8mm (in one application) or less than 1mm. Note: Apply at a minimum 2mm full bed thickness over particleboard, blockwork and AAC.
- Press and slide the tile into position ensuring the whole of the back of the tile is in good contact with the adhesive. Deeply keyed quarry tiles and some extruded tiles may require buttering of the adhesive on the back of tiles to ensure 100% coverage.
- Use tile spacers if desired to ensure even spacing.
- Remove any surplus adhesive on face of the tile or between joints before it sets.
- Adjustment of tiles should be carried out within 25 minutes of laying (at 23°C and 50% relative humidity).

COVERAGE

The coverage below is for the 6.7kg kit of DUNLOP®TILE-ALL. Coverage will vary depending on the condition of the surface being tiled and application technique.

TILE SIZE	TROWEL SIZE	COVERAGE
Up to 250x250mm	6-8mm notch	2.7m ² / 6.7kg Kit
250x250mm and over	10-12mm notch	1.2-1.7m ² / 6.7kg Kit

DRYING TIME

Full traffic should be possible after 24 hours (at 23°C and 50% relative humidity). Allow longer for dense tiles/ substrates, humid climates and low temperatures.

CLEANING

All tools should be cleaned with water immediately after use.

GROUTING

Do not grout until adhesive has set, this takes approximately 8 hours. Remove spacers and use DUNLOP® GROUT adding DUNLOP®PRIMER AND ADDITIVE to enhance colour, impart a degree of flexibility and to reduce porosity and staining.

MOVEMENT JOINTS

Movement joints must be in accordance with AS 3958.1:1991. As a general guide, movement joints should be incorporated at 5 metre intervals and around the perimeter of the floor. These joints must be approximately 6mm wide and kept free from adhesive and grout. Any structural movement joints must be carried through to the

face of the tiling. They should be filled with a suitable flexible material such as DUNLOP®COLOURED SILICONE. For walls, incorporate movement joints at internal corners, fixtures interrupting the tile surface, at 3.5 metre intervals and storey height for external fixing.

SHELF LIFE

A shelf life of 12 months is expected when stored in a dry place in original unopened container at 30°C and 50% relative humidity. Always re-seal bag air tight after use.

PACKAGING

6.7kg Kit containing 1.7kg Liquid and 5kg Powder

CAUTION

Do not use DUNLOP®TILE-ALL over timber in external situations. Not suitable for use over tongue and groove (strip) timber or chip board. Bituminous compounds and membranes are not considered suitable surfaces to be tiled using DUNLOP®TILE-ALL. DUNLOP®TILE-ALL is water-based and hence is not suitable for use with moisture sensitive natural stone such as green marble. Whilst DUNLOP®TILE-ALL is suitable for use over high quality paint, the success of the tiled installation is dependent on the integrity of the paint and its long-term adhesion to the substrate. DUNLOP®TILE-ALL is not suitable for use over epoxies, polyurethanes and chlorinated rubber due to the 'anti-adhesive' nature of these products.

DUNLOP GUARANTEE

Product is guaranteed for 10 years when installed to manufacturers instructions. Manufactured under a quality system certified as complying with ISO 9001 by an accredited certification body. Material Safety Data Sheets are available upon request.

TECHNICAL DATA

1. Characteristics of product:

Type:	Two Part
Colour:	White
Specific Gravity of Liquid:	1.02
PH:	7.5

Application Properties (at 23°C and 50% relative humidity)

Mixing Ratio:	Powder/Liquid 5kg/1.7kg
Specific Gravity of Mix:	1.67 kg / Litre
Viscosity of mix:	148 000 cps
Open Time:	25 minutes
Adjustability Time:	20 minutes
Pot Life:	45 minutes
Water Absorption:	1.18%

Mechanical Properties:

Shear Bond Strength (Mpa)	
7 days dry	2.7
14 days dry	3.56
7 days water immersion	2.86
8 month immersion in fresh water concrete pool	3.1

Tensile Strength (Mpa)	
7 days (concrete)	2.3
7 days (butynol)	1.01
14 days (butynol)	2.03



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SAFETY

Avoid skin contact as irritation may occur. Should contact occur, wash skin immediately with water. In case of eye contamination, rinse thoroughly with clean water. If irritation persists, contact a Doctor or the Poisons Information Centre.

USER NOTES

The technical details and recommendations 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 the responsibility of the user to ensure that the products are used in accordance with DUNLOP product instructions and in applications for which they are intended.

Exceeds Australian Standard AS 4992.1

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