



# FLOOR TILE ADHESIVE

**DUNLOP® FLOOR TILE ADHESIVE** is a general purpose ceramic tile adhesive for fixing a variety of floor tiles, both indoors and out. It is suitable for use on a limited number of surfaces such as concrete, fibre-cement sheets, cement screeds and existing tiles. For timber floors and areas where more movement may be expected, use **DUNLOP® WALL AND FLOOR TILE ADHESIVE**.

## SURFACE PREPARATION

Surfaces must be consistently flat and firmly fixed. Clean off dust, oil, grease and all loose contaminating materials or coatings. Ensure surfaces are dry, with no residue or permanent dampness. Prime porous surfaces (e.g. fibre-cement sheet) with **DUNLOP® PRIMER & ADDITIVE** and allow to dry.

### Concrete Floors

Concrete floors should have a wood float finish. Allow at least 4 weeks for concrete to cure prior to tiling. Screeds must be at least 7 days old. The surface should be level and pitched to drains where required. Remove any concrete sealers or curing compounds from the concrete surface. Steel trowel finished concrete should be roughened mechanically to remove laitance and provide a good key for tiling.

### Fibre-Cement Sheet & Plasterboard

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.

### Existing Tiles

Existing tiles must be roughened mechanically to remove 80% of the glaze. Prime exposed body of the tile with **DUNLOP® PRIMER & ADDITIVE** and allow to dry.

### Painted Surfaces

Oil-based paint should be roughened mechanically and loose flaking paint should be removed. Ensure the paint is suitable for tiling over. Thoroughly remove water-based paints. Do not use paint stripper or solvents. Allow surface to dry after cleaning.

## MIXING

The mixed material is usable for up to 2.5 hours, depending on temperature and humidity.

1. Use approximately 400ml of water with 1 kg of the powder.
2. Add powder to clean water in a container and mix to a thick creamy consistency using a mechanical stirrer or spatula.
3. Allow to stand for 5 minutes, re-stir the mixture thoroughly and it is ready to use. Do not add additional water.

## APPLICATION

1. As a general guide apply the adhesive to the surface with a 10x10x10mm notch trowel to achieve 100% coverage on the back of the tile. Do not wet tiles before fixing, if back of tiles are dusty, clean with a damp sponge.



2. Spread only 1 square metre at a time and ensure a skin has not developed on the adhesive before bedding tiles.
3. Press and slide the tile into position ensuring the whole of back of tile is in good contact with the adhesive.
4. Use tile spacers if desired to ensure even spacing.
5. Remove any surplus adhesive on face of the tile or between joints before it sets.
6. Adjustment of tiles should be carried out within 35 minutes of laying (at 23°C and 50% relative humidity).

## COVERAGE

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	0.5-0.65m <sup>2</sup> /kg
250x250mm and over	10-12mm notch	0.4-0.5m <sup>2</sup> /kg

## DRYING TIME

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

## GROUTING

Wait until the adhesive has set. This takes approximately 24 hours. Remove tile spacers and use **DUNLOP® GROUT** adding **DUNLOP® PRIMER AND ADDITIVE** to enhance colour, impart a degree of flexibility and reduce porosity and staining. For easier maintenance, seal with **DUNLOP® GROUT SEALER**.

## MOVEMENT JOINTS

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 droppings. 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 silicone.

## CLEAN UP

All tools should be cleaned with water immediately after use.

## 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

4kg, 15kg

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## CAUTION

Do not use in continuous immersed conditions such as swimming pools, use DUNLOP® TILE-ALL instead. Do not use in areas subject to water ponding. Do not use for fixing moisture sensitive stone or translucent tiles. Keep out of reach of children. Avoid skin irritation by wearing protective gloves. If skin contact does occur, wash with tepid soapy water. Avoid inhaling dust by using a dust mask. If swallowed, do not induce vomiting, give a glass of water to rinse mouth then as much water as the patient can drink and seek medical advice. In case of eye contamination, rinse with plenty of clean water and seek medical advice. MSDS available on request.

## 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.

### Characteristics of product:

Colour: Off White  
Bulk Density: 0.94g/cm<sup>3</sup> (loose)

### Characteristics of Mix

Mixing Ratio: 1kg:400ml (powder to water)  
Mix S.G: 1.37

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

Pot Life: 2.5 hours  
Open Time: 35 mins  
Setting Time: 24 hours  
Sagging: none

### Mechanical Properties:

	(AS 4992.1) Min. requirements	
Tensile Adhesion Tests		
Adhesion after 7 days:	0.8N/mm <sup>2</sup>	0.5N/mm <sup>2</sup>
Open Time: Adhesion after 20 mins	0.6N/mm <sup>2</sup>	0.5N/mm <sup>2</sup>
Adhesion after water immersion:	0.8N/mm <sup>2</sup>	0.5N/mm <sup>2</sup>
Adhesion after heating/aging:	1.1N/mm <sup>2</sup>	0.5N/mm <sup>2</sup>
Adhesion after freeze and thaw:	1.1N/mm <sup>2</sup>	0.5N/mm <sup>2</sup>
Transverse deformation:	3.0mm	
Classification: (4992.1)	C1S1	

## 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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