



FLOORFIX TILE ADHESIVE



DUNLOP®FLOORFIX is an economical, cement-based floor tile adhesive for the fixing of ceramic tiles in indoor and covered outdoor situations.

It can be used over concrete floors or sand and cement topped floors. The adhesive is recommended for fixing quarry tiles, slate and natural stone e.g., sandstone. Where movement is anticipated, use DUNLOP®FLOOR TILE ADHESIVE or use in conjunction with DUNLOP®PRIMER AND ADDITIVE.

SURFACE PREPARATION

The surface must be clean, true and free from dust, oil, laitance etc. Prime porous surfaces (e.g. fibre-cement sheet) with DUNLOP®PRIMER & ADDITIVE and allow to dry.

Concrete:

Concrete floors must be at least 4 weeks old. Steel trowelled surfaces must be roughened mechanically prior to tiling. A wood float finish is the recommended surface for tiling using DUNLOP FLOORFIX. If the surface is very porous or extremely hot, it should be lightly wet with clean water.

Cement Render:

Render is 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.

Cement Topping:

The topping is to consist of one part cement to three or four parts sand. Leave the topping with a wood float finish to establish a mechanical key. Allow topping at least 7 days to cure prior to tiling. It should be approximately 15mm in thickness.

MIXING

The mixed material is usable for up to 2 hours.

1. Use approximately 3.5L of water with 15kg of the powder.
2. Add powder to clean water in a suitable container and mix to a thick creamy consistency.
3. Allow to stand for 5 minutes, re-stir the mixture thoroughly and it is ready for use. Do not add additional water.

NOTE: When using DUNLOP®FLOORFIX in exposed outdoor situations, use DUNLOP®PRIMER AND ADDITIVE instead of water when mixing.

APPLICATION

1. Apply the DUNLOP®FLOORFIX to the surface with a 10 x 10 x 10mm notched trowel to achieve 100% coverage on the back of the tile.
2. Spread only 1 square metre at a time and ensure a skin has not developed on the adhesive before bedding the tiles.
3. 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 the tiles to ensure 100% coverage.

4. The final bed must not be less than 3mm thick or more than 10mm and should have a final joint width of approximately 3 - 10mm. 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 15 minutes of laying (at 23°C and 50% relative humidity).

COVERAGE

The coverage below is for the 15kg of DUNLOP FLOORFIX. 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	5m ²
250x250mm and over	10-12mm notch	3.75m ²

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.

GROUTING

Wait until the adhesive has set firmly. This takes approximately 48 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.

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

15kg



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CAUTION

Do not use in continuous immersed conditions such as swimming pools. Do not use over timber floors. Do not use DUNLOP®FLOORFIX over concrete slabs subject to shrinkage and other movement. Use in conjunction with DUNLOP®PRIMER AND ADDITIVE in exposed outdoor situations by replacing the water in the mixing process with DUNLOP®PRIMER AND ADDITIVE. 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.

TECHNICAL DETAILS

1. Characteristics of product:

Colour and Form: Grey powder
Bulk Density: 1.6kg / Litre

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

Mixing Ratio: 100:23 (powder: water)
Open Time: approx 15 minutes
Adjustability time: approx 25 minutes
Sagging: None
Pot Life: 2 hours

Mechanical Properties: British Tile Test¹ AS4992.1

Shear Bond Strength (Mpa):		
7 days dry	1.65	>1.0
14 days dry	1.69	>1.5
28 days dry:	2.52	-
7 days water immersion:	1.81	>1.0
Tensile Strength (Mpa)		
7 days dry:	0.17	>0.15
Compressive Strength (Mpa)		
28 days dry	21.6	
Flexural Strength (Mpa):		
7 days dry	6.9	

¹ Water absorption >15%

SAFETY

Keep out of reach of children. Use gloves to prevent skin irritation. Avoid inhaling dust by using a dust mask. Wash immediately with plenty of water if material enters the eyes. MSDS available on request.

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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FFTA - 07/07_v3

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