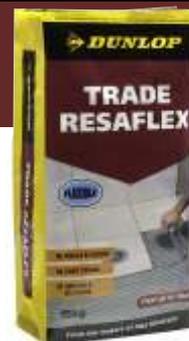


# TRADE RESAFLEX



**DUNLOP® TRADE RESAFLEX is an economical rubber modified adhesive for fixing ceramic tiles in internal and external situations (with satisfactory drainage). It can be used over render, plasterboard, fibre-cement sheets and concrete in situations where minimal movement (up to 0.3mm) is anticipated. 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. Ensure surfaces are dry before tiling, with no residue or permanent damp. Prime porous surfaces (e.g. fibre-cement sheet, cement render) 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.

### 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.

### 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. Completely remove water-based paints. Do not use paint stripper or solvents. Allow surface to dry after cleaning.

## MIXING

1. Add 6L of clean water per 15kg of DUNLOP® TRADE RESAFLEX.
2. Pour water into a suitable clean plastic container. Add DUNLOP® TRADE RESAFLEX and mix until both elements are completely combined. Do not mix more material than can be used in the pot life (2.5 hours at 23°C and 50% relative humidity).

## APPLICATION

1. Tiling practices must be in accordance with AS3958.1:1991. As a general guide, use a 6x6x6mm trowel on walls to achieve a continuous 1.5mm bed and a 10x10x10 trowel on floors to achieve a continuous 2.5mm bed.
2. Before fixing tiles, ensure the back of the tiles are free from dust.
3. Spread approximately one square metre at a time ensuring that a skin has not developed prior to bedding the tiles. Do not apply DUNLOP® TRADE RESAFLEX at a bed thickness greater than 10mm or less than 1.5mm.
4. Press and slide the tile at right angles to the notch pattern to ensure 100% coverage on the back of the tile. Do not butt-joint tiles.
5. Deeply queyed quarry tiles and some extruded tiles may require buttering of the adhesives on the back of the tiles to ensure 100% coverage.
6. Lift a tile from time to time to ensure that there are no voids beneath the tiles.
7. Any surplus adhesive must be removed from the surface of the tiles and joints, before the adhesive sets.

## 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

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

## GROUTING

Do not grout until tiling has set firmly (approximately 24 hours). Use DUNLOP® COLOURED GROUT for joints between 1-5mm. For joints greater than 5mm use DUNLOP® WIDE JOINT GROUT. For easier maintenance, seal with DUNLOP® GROUT SEALER.

## 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.



# TRADE RESAFLEX

## 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.

## CAUTION

One part rubber modified adhesives generally exhibit minimum flexibility and low tolerance for movement - DUNLOP® TRADE RESAFLEX is suitable for hairline shrinkage (0.3mm). If unsure or where greater movement is anticipated, use DUNLOP® WALL AND FLOOR TILE ADHESIVE. Do not use DUNLOP® TRADE RESAFLEX for tiling directly over timber floors, DUNLOP® WALL & FLOOR TILE ADHESIVE is recommended. DUNLOP® TRADE RESAFLEX is not suitable for fixing moisture sensitive stone or translucent tiles. Do not use DUNLOP® TRADE RESAFLEX for continuous immersion applications (e.g. swimming pools), use DUNLOP® TILE-ALL instead.

## SAFETY PRECAUTIONS

This product contains cement. The dust can be irritating to the skin and eyes and wet cement may cause dermatitis. Wear gloves when working and avoid inhaling the dust. If the solid/dust enters the eyes wash with clean water for at least 15 minutes and seek medical advice. If swallowed do not induce vomiting, give a glass of water and contact a doctor.

## 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

### 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	
Tensile Adhesion Tests	Achieved	Required
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: (AS4992.1)	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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