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RAPIDFLEX



DUNLOP® RAPIDFLEX is a high quality, fast setting rubber modified adhesive that is suitable for grouting after just 3 hours. DUNLOP RAPIDFLEX is suitable for wall and floor tiles in indoor and outdoor* situations. It can be used over render, plasterboard, fibre cement sheets, oil-based painted surfaces, DUNLOP® UNDERTILE WATERPROOFING, existing tiles and concrete in situations where minimal movement (up to 0.3mm) is anticipated. *External substrates not subject to excessive movement.

SUITABLE SUBSTRATES

Refer to the section on surface preparation. Contact the Dunlop Toll free hotline if other substrates are encountered.

TILE TYPES

Ceramic, porcelain, non-moisture sensitive natural stone, fully vitrified and mosaics.

SURFACE PREPARATION

Surface 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 with DUNLOP® PRIMER & ADDITIVE.

Concrete

Concrete floors should have a wood float finish. Allow at least 4 weeks for new concrete to cure prior to tiling. Screeds must be at least 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. Steel trowel finished concrete should be roughened mechanically to remove laitance and provide a good key for 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 seven days to cure prior to tiling. It should be no less than 10mm in thickness.

Existing Ceramic Tiles

Existing tiles must be firm and stable. In outdoor situations, roughen the surface by mechanical means and clean off contamination and dust before tiling. Ensure that at least 80% of the glaze is removed. In indoor situations, clean the surface with sugar soap prior to tiling and allow to dry.

Painted Surfaces

Water-based acrylics, PVA, polyurethanes, epoxy enamels and other finish coatings must be mechanically removed to fully expose the substrates. Where solvent-based acrylics (oil-based) are used, roughen the surface with coarse sand paper then clean the surface with warm water.

Fibre-Cement Sheets and Plasterboard

Fix sheets according to manufacturers instructions and prime fibre cement sheets with DUNLOP® PRIMER & ADDITIVE. It is not necessary to prime plasterboard, however, base jointing compound must be primed with DUNLOP® PRIMER & ADDITIVE.

Do not use topping compound in tiled areas. Compressed fibre-cement sheet joints in tiled areas in indoor situations should be taped with PVC duct tape prior to tiling. Tiling over compressed fibre-cement sheet floors outdoors should be carried out as per sheet manufacturers recommendations and Australian Standard AS3958.1 (2007).

MIXING

1. Add 5.5L-6L of clean water per 15kg of DUNLOP® RAPIDFLEX.
2. Pour water into a suitable clean plastic container. Add DUNLOP® RAPIDFLEX and mix until both elements are completely combined. Do not mix more material than can be used within the pot life (40 minutes at 23°C and 50% relative humidity).
3. Allow mixture to stand for 5 minutes. Restir before use.

APPLICATION

Tiling practices must be in accordance with AS 3598.1:2007. As a general guide, use a 6 x 6 x 6mm trowel on walls to achieve a continuous 1.5mm bed and a 10 x 10 x 10mm trowel on floors to achieve a continuous 2.5mm bed. Setting sticks are recommended when tiling walls.

Before fixing tiles, ensure the back of the tiles are free from dust.

Spread approximately one square metre at a time ensuring that a skin has not developed prior to bedding the tiles. Do not apply DUNLOP® RAPIDFLEX at a bed thickness greater than 7mm or less than 1.5mm.

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.

Deeply keyed quarry tiles and some extruded tiles may require buttering of the adhesive on the back of the tiles to ensure 100% coverage. 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 tiles and joints, before the adhesive sets.



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GROUTING

Grouting may proceed as soon as the tiling has set firmly – approximately 3 hours (at 23°C and 50% relative humidity). Use DUNLOP® COLOURED GROUT for joints between 1-8mm. For joints greater than 8mm and up to 15mm, use DUNLOP® WIDE JOINT GROUT. Allow longer drying time for dense tiles/substrates, humid climates and low temperatures. Restrict general traffic for 24 hours after laying. Use DUNLOP® PRIMER & ADDITIVE with Grout as per instructions to enhance the colour of the grout, impart a degree of flexibility and reduce porosity and staining.

MOVEMENT JOINTS

Movement joints must be in accordance with AS 3958.1:2007. 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 3-4.5 metre intervals and storey height for external fixing.

COVERAGE

Coverage will vary depending on substrate condition, tile type and application technique. As a general guide, use a 6mm trowel for walls and 10mm for floors.

Unit Size	6mm Notch Trowel	10mm Notch Trowel
15kg	9m ²	6m ²

LIMITATIONS

One part rubber modified adhesives generally exhibit minimum flexibility and low tolerance for movement. DUNLOP® RAPIDFLEX 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® RAPIDFLEX for tiling directly over timber floors. DUNLOP® WALL & FLOOR TILE ADHESIVE is recommended.

DUNLOP® RAPIDFLEX is not suitable for fixing moisture sensitive stone or translucent tiles.

Do not use DUNLOP® RAPIDFLEX for continuous immersion applications (e.g. swimming pools).

CLEANING

All tools should be cleaned with water immediately after use.

SHELF LIFE

9 months when stored in the original unopened packaging, in a dry place at 30°C and 50% relative humidity.

SAFETY

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. MSDS available on request.

DUNLOP GUARANTEE

Product is guaranteed for 10 years when installed to manufacturer's instructions.

TECHNICAL DATA

Product Identity:

Colour & Form: Grey powder

Application Properties (@23°C and 50% RH)

Mixing Ratio: 2.6:1 (powder:water)
 Open Time: approx 30 minutes
 Adjustability Time: approx 20 minutes
 Pot Life: 40 minutes

Mechanical Properties: (AS4992.1)

	Result	Requirement
Tensile Adhesion Strength:	1.0	≥ 0.5MPa
Tensile Adhesion Strength after immersion in water:	0.76	≥ 0.5MPa
Freeze Thaw:	0.76	≥ 0.5MPa
Heat Ageing:	0.84	≥ 0.5MPa

Classification

C₁FS₁E

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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