

# PRODUCT INFORMATION

## DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE

### DESCRIPTION

**DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE** is a water-resistant, fast-setting floor & wall adhesive, suitable for thin and thick-bed fixing in interiors and exteriors. Mixed with water, it is suitable for fixing ceramic floor and wall tiles, vitrified tiles and mosaics, quarry tiles, brick slips and stone claddings. This product is not suitable for fully vitrified and porcelain tiles unless a flexible additive is used such as DUNLOP FLEXIBLE ADDITIVE. Tiles can be grouted 3 hours after fixing. DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE is frost and water-resistant and can be used in showers, swimming pools or under continuous immersion. This product is available in 5kg, 10kg and 20kg.

DUNLOP RAPIDSET FLOOR & WALL ADHESIVE exceeds the requirements of BS EN 12004:2007 for a C1F tile adhesive

### PREPARATION

The surface to be tiled should be level, clean and free from dust, grease or any loose flaking material. Suitable surfaces include:

#### Brickwork/concrete

Allow new walls to dry out for min. 6 weeks before rendering/plastering/tiling. Direct fixing of tiles to clay brick/medium density concrete is acceptable if surface is sufficiently flat.

#### Existing glazed ceramic tiles/glazed bricks

Ensure existing tiles/bricks are soundly bonded to a stable background that is sufficiently strong to support the weight of the new tiling. Mix DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE with DUNLOP FLEXIBLE ADDITIVE (diluted 1:1 by volume with water) If areas are loose or hollow-sounding, remove and make good

#### Plaster

Must be at least 4 weeks old before tiling. Ensure finish coat has been applied, and surface is free from dust, efflorescence and friable material. *If plaster is shiny or polished*, brush thoroughly before priming with: DUNLOP SBR UNIVERSAL BONDING AGENT (diluted 1:2 by volume with water) Allow primer to dry. *If plaster is defective/badly cracked*, cut back to straight vertical or horizontal edges. Dry brush the background and make good with a suitable non-shrinking filler and prime as above.

#### Plasterboard

Ensure boards are securely fixed and rigid at 300mm centres vertically and horizontally or as per board manufacturer's recommendations with no protruding fixings. Ensure the face intended to receive decorative finish is exposed. Mix DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE with DUNLOP FLEXIBLE ADDITIVE (diluted 1:1 by volume with water).

#### Asphalt (suitable grade e.g. flooring)

Must be of a suitable grade, be clean, in sound condition (without brittleness, softening. etc.) and have adequate cohesive strength, a natural float finish and laid on a firm rigid base. Ensure that surface is sufficiently regular to suit bedding depths of adhesive. Clean thoroughly to remove

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surface dirt using warm water and a suitable detergent. Remove all detergent residues with clean water.

## Concrete; cement:sand screeds and rendering

Before tiling, allow the following minimum drying times:

1. Concrete/concrete block walls/clay brickwork: 6 weeks
2. Cement:sand screed: 3 weeks
3. Cement:sand rendering: 2 weeks (3 weeks for swimming pools)

## Existing unglazed ceramic tiles, quarry tiles, terrazzo and natural stone

Ensure existing tiles are soundly bonded to a stable background that is sufficiently strong support the weight of the new tiling. If areas are loose or hollow-sounding, cut out and make good

## Fibre reinforced cement boards and lightweight tile backing boards

Check suitability with board manufacturer. Ensure boards are

- (i) sufficiently rigid and stable to receive tiles;
- (ii) can carry the additional load without excessive deflection; and
- (iii) has adequate ventilation under the boards.

## Overlaid timber floors (min. 15mm)

Ensure timber floor (i) is sufficiently rigid and stable to receive tiles; (ii) can carry the additional load without excessive deflection; and (iii) has adequate ventilation under the timber. Overlay existing timber floor with water resistant plywood, minimum 15mm thick, screwed (not nailed) at 300mm centres. Prime all timber surfaces on back face and edges and the face to be tiled with neat DUNLOP SBR UNIVERSAL BONDING AGENT. Allow to dry. Mix DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE with DUNLOP FLEXIBLE ADDITIVE (diluted 1:1 by volume with water).

## Existing vinyl tiles

Ensure these are in good sound condition and securely bonded to their base. Remove loose or damaged tiles/areas of sheet along with any loose or soft adhesive. Remove any polishes, wax, grease etc. with a suitable proprietary cleaner. Mix DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE with DUNLOP FLEXIBLE ADDITIVE (diluted 1:1 by volume with water).

**NOTE: Cushioned types of flooring are not suitable and must be completely removed along with the adhesive residue prior to tiling.**

**Underfloor heating:** - Once the screed is dry it must be heated slowly at a rate of 5°C per 24 hours to a temperature and maintained at that level for 3 days, before being allowed to cool to room temperature. The heating must be turned off before tiling. Once completed ensure that a minimum of 14 days have elapsed before the floor is brought back to its operating temperature at a maximum rate of 5°C per day.

Mix DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE with DUNLOP FLEXIBLE ADDITIVE (diluted 1:1 by volume with water).

For further advice, contact DUNLOP TECHNICAL ADVISORY SERVICE

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## MIXING

Mix in the ratio of approx. 3 parts powder to 1 part water by volume. Add the powder to clean water and mix thoroughly until a smooth uniform consistency is obtained. Use within 45 minutes of mixing (at 20°C). Do not use below 5°C.

## APPLICATION

1. Spread the adhesive with a suitable notched trowel to cover approximately 1 m<sup>2</sup> or 15-20 minutes working time.
2. For floor tiling, wet areas and exterior situations, a solid-bed trowel must be used.
3. Press the dry tiles firmly into the adhesive, checking periodically that good contact is maintained with the backs of the tiles. Tiles should be fixed within 20-30 minutes of adhesive being applied, depending on the surface porosity and atmospheric conditions (check the adhesive ribs periodically and if a skin has formed, remove the residue and apply a new layer). Tiles can be adjusted up to 5-10 minutes after initial positioning.
4. Leave 1-2mm joints between wall tiles and minimum 3mm joints between floor tiles unless self-spacing tiles are being used.
5. Remove all surplus adhesive with a damp cloth before it sets.

## NOTE

DUNLOP RAPIDSET FLOOR & WALL TILE ADHESIVE is fully resistant to water, however, being cement-based it is not impervious to the passage of water. To improve protection on water-sensitive backgrounds, apply a waterproofing membrane such as DUNLOP SHOWER WATERPROOFING KIT or an impervious grout.

## GROUTING

Grouting can be carried out after a minimum of 3 hours at 20°C.

## STORAGE & SHELF LIFE

Store in dry conditions, between 5°C and 30°C. Ensure part used bags are resealed. If stored correctly this product has a shelf life of 6 months.

## COVERAGE

Depends on the nature and flatness of the surface and the method of application, but on a level background the amount of adhesive required at 3mm thickness will be: approx. 2kg/m<sup>2</sup> for dry wall areas. Approx. 3.5kg/m<sup>2</sup> for floors, exterior and wet areas

Please refer to the Material Safety Data Sheet for further information on health and safety issues.

## DUNLOP TECHNICAL HELPLINE

For free expert guidance on the use of this product or any aspect of ceramic tiling telephone the DUNLOP TECHNICAL HELPLINE on: Tel: 01782 591120 Fax: 01782 591121.

**Note:** The customer must verify the suitability of any information, opinion, recommendation or advice ("Information") provided by the Company for the particular application for which any goods are intended to be used and the Company accepts no liability (whether in contract tort, or otherwise) whatsoever for any loss, damage, or expense arising from the misuse of any information it supplies nor for the use of any information in or for applications which are unsuitable or inappropriate. Building Adhesives Ltd operates a continuous research and development programme and reserves the right to alter or update information from time to time.