

PRODUCT INFORMATION

DUNLOP FLEXIBLE RAPIDSET

DESCRIPTION

DUNLOP FLEXIBLE RAPIDSET ADHESIVE is a white rapid-setting, powder-based tile adhesive. Mixed with clean water, it is suitable for fixing floor and wall tiles, fully vitrified including porcelain, mosaics, quarry, brick slips and stone cladding. Tiles can be grouted 3 hours after fixing. The set adhesive is frost and water-resistant and can be used in showers, or under continuous immersion such as swimming pools. DUNLOP FLEXIBLE RAPIDSET FLOOR & WALL TILE ADHESIVE has the benefit of a longer working time and increased open allowing for larger mixes and giving additional time to apply the adhesive and fix the tiles.

DUNLOP FLEXIBLE RAPIDSET exceeds the requirements of BS EN12004 for a C2FT tile adhesive.

This product is available in 20kg

PREPARATION

The surface to be tiled should be clean, dry and free from all dust, grease or any loose flaking material incompatible with adhesion.

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

Suitable surfaces include:

Existing glazed ceramic tiles/glazed bricks

Ensure existing tiles/brick are sound bonded to a stable background that is sufficient strong to support the weight of the new tiling. N.B. Suitable for existing glazed tiles when adhesive has been modified with DUNLOP FLEXIBLE ADDITIVE (pre-diluted 1:1 by volume with clean cold water). If areas of tiles/bricks are loose or hollow-sounding, remove and make good using DUNLOP PRO-DÉCOR RAPID REPAIR MORTAR.

Plaster

Must be at least 4 weeks old before tiling. Ensure finishing 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 clean cold water) and 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 such as DUNLOP PRO-DÉCOR RAPID REPAIR MORTAR.

Plasterboard

Ensure boards are securely fixed and rigid at 300mm centres vertical and horizontal edges or as per Board manufacturer's recommendations with no protruding fixings. Ensure the face intended to receive decorative finish is exposed.

Asphalt (suitable grade e.g. flooring)

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

Concrete; cement:sand screeds and rendering

Before tiling, ensure that the substrate is flat, free from efflorescence, laitance, dirt, polished concrete and other loose materials. Remove by the use of suitable mechanical methods.

Before tiling, allow the following minimum drying times:

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

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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 using DUNLOP PRO-DECOR RAPID REPAIR MORTAR.

Fibre reinforced cement boards and lightweight tile backing boards

Check suitability with board manufacturer. Ensure boards are (i) sufficiently rigid and stable to receive tiling; (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.

Seal all timber surfaces on back face and edges and face to be tiled with undiluted DUNLOP SBR UNIVERSAL BONDING AGENT. Allow to dry.

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. Prime with 2 coats of undiluted DUNLOP UNIVERSAL BONDING AGENT.

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

Underfloor heating: once the screed is dry, the screed may then be gradually heated up to a maximum operating water temperature of 45°C, as recommended by the manufacturer and maintained at that level for 3 days. Then allowed to cool to room temperature. Heating to be turned off for 24 hours prior to tiling or, in cold weather, reduced to below 15°C. 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.

For further advice, contact DUNLOP TECHNICAL HELPLINE.

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. Allow mixed adhesive to stand for 1 - 2 minutes before re-mixing for 30 seconds. Use within 60 minutes (at room temperature). Do not use below 5°C.

NOTE: If using electric drill mixer, blend at slow speed (i.e. under 300rpm).

APPLICATION

1. Apply adhesive to the surface using a suitable notched trowel to cover approximately 1m² or the area can be tiled, for standard size floor tiles a solid-bed trowel should be used.
To ensure solid-bedding of large format tiles use a suitable large format trowel.
2. For floor tiling, wet areas and external situations, a solid-bed trowel must be used.
3. Press tiles firmly into adhesive leaving no voids beneath. Tiles should be fixed with 20-30 minutes of adhesive being applied, depending on the porosity of the surface and the atmospheric conditions (check the adhesive ribs periodically and if a skin has formed, remove the adhesive and apply a new layer). Tiles can be adjusted up to 10 minutes after initial positioning.
4. For large format tiles it may be necessary to butter the backs with adhesive to ensure solid bedding.
5. Leave 1-2mm joints between wall tiles and minimum of 3mm joint between floor tiles.
6. Remove surplus adhesive with a damp sponge/cloth before it sets.

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NOTE

DUNLOP FLEXIBLE RAPIDSET is fully resistant to water, however, being cement-based it is not impervious to passage of water. To improve protection, use DUNLOP FLEXIBLE ADDITIVE (pre-diluted 1:1 by volume with clean cold water). When protecting water-sensitive backgrounds, apply a waterproofing membrane to the background such as DUNLOP SHOWER WATERPROOFING KIT, and/or use an impervious grout to fill the joint between the tiles.

GROUTING

Grouting can be carried out after a minimum of 3 hours.

STORAGE & SHELF LIFE

This product must be stored in unopened packaging, clear of the ground in cool dry conditions and protected from excessive draught. Store in dry conditions, between 5°C and 30°C. Ensure part-used bags are resealed. If stored correctly the shelf life of this product is 12 months.

COVERAGE

Depending on the nature and flatness of the surface but on a level background the amount of adhesive required will be approx. 2kg/m² for dry walls and approx. 4kg/m² for floor, exterior and wet areas.

Please refer to the Material Safety Data Sheet for further information on health & 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.