

# PRODUCT INFORMATION

## DUNLOP LARGE FORMAT & NATURAL STONE ADHESIVE

### DESCRIPTION

DUNLOP LARGE FORMAT & NATURAL STONE ADHESIVE is a white rapid-setting, semi-pourable, thick-bed floor tile adhesive. Mixed with clean water, it is suitable for fixing large format floor tiles, fully vitrified including porcelain, natural stone and terrazzo. Can also be used to level uneven floors: before fixing tiles a layer of adhesive can be applied up to 25mm thick. Also suitable as 3-25mm thickness makes it ideal for tiles/slabs of uneven thickness and uneven surfaces.

The adhesive is water-resistant and can be used in interior & exterior areas including showers and Swimming pools. Tiles can be grouted after 3 hours.

**DUNLOP LARGE FORMAT & NATURAL STONE ADHESIVE exceeds the requirements of BS EN12004 for a C2F 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.

#### Suitable surfaces include:

##### **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**

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: 6 weeks

– Cement:sand screed: 3 weeks

##### **Existing glazed/unglazed ceramic tiles, quarry tiles, terrazzo and natural stone**

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.

##### **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.

# PRODUCT INFORMATION

## 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. 3.5 parts powder to 1 part water by volume. Add the powder to clean water and mix thoroughly until a smooth, pourable 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 floor surface, 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. 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 skin has formed, remove the adhesive and apply a new layer).. Tiles can be adjusted up to 10 minutes after initial positioning.
3. For stud-backed tiles it may be necessary to butter the backs with adhesive to ensure solid bedding.
4. Leave a minimum of 3mm joint between floor tiles.
5. Remove surplus adhesive with a damp sponge/cloth before it sets.

## NOTE

DUNLOP LARGE FORMAT & NATURAL STONE TILE ADHESIVE 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

# PRODUCT INFORMATION

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 pert-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: at 5mm thickness approx.. 8.75kg/m<sup>2</sup>, at 10mm thickness approx. 17.5kg/m<sup>2</sup>, at 25mm thickness approx.. 43,75kg/m<sup>2</sup>.

**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.**

# PRODUCT INFORMATION