

butech®

TECHNICAL INFORMATION SHEET

BUTECH BT 3000 n

HIGH PERFORMANCE READY MIXED ADHESIVE FOR CERAMIC TILES

DESCRIPTION

Butech BT 3000 n, ceramic wall tile adhesive, is a high performance ready-mixed water resistant high grab, non-slip wall tile adhesive. It is suitable for fixing a wide range of porous ceramic wall tiles and mosaics in interior situations.

Butech BT 3000 n is suitable for use in dry and wet duty areas in bathrooms, showers, kitchens, utility rooms etc.

The adhesive exceeds the requirements of BS EN 12004:2007 for a D2T water resistant dispersion based adhesive, with excellent non-slip properties.

USES

The adhesive is suitable for all conventional ceramic tiled installations in interior applications, and can be used for the fixing of porous bodied wall tiles. Butech BT 3000 n can also be used to install small format porcelain tiles up to a maximum of 100 x 100 mm. It is recommended for bedding up to 3 mm thickness.

N.B. Allow longer drying times where larger tiles are used.

Not suitable for the installation of large porcelain tiles, glass or natural stone. Suitable for use on walls only.

FEATURES

- Water resistant
- Non-slip
- High Strength
- * Fixes ceramic

SUBSTRATES

Butech BT 3000 n adheres very strongly to most wall substrates normally encountered in tiling applications such as skim/finishing plaster, plasterboard, cement-based tilebacker boards, existing tiled finishes, render and concrete. Tiling should be carried out in accordance with the relevant section of BS5385, Part 1 for internal walls.

In general, however, surfaces to which tiles are to be bonded should be dry, clean, firm, sound, flat, free from loose and flaking areas and any contamination that may impair adhesion such as laitance, grease, wax, dust, paint residues, etc. The substrate must additionally be capable of taking the additional dead-load of the tiled finish and be free from cracks. All cracks must be professionally repaired before commencing tiling.

Application to metal is not recommended.

PREPARATION

WALLS

Sand:cement renderings

Must be sound and clean; loose dust and friable areas to be brushed off. Any doubtful areas should be cut back and replaced. Repaired areas should mature for at least 2 weeks before tiling. Highly absorbent render surfaces will benefit from an application of Butech Universal Bonding Agent diluted 1:1 with water.

Concrete

New concrete should be left to dry for at least 6 weeks. Any contamination from release agents or retarders from shuttering must be

thoroughly removed by wire brushing using water and detergent, followed by three rinses with clean water. Other mechanical abrasion techniques such as needle gunning or bush hammering may also be used. Any wetted surfaces must be allowed to dry completely. Old concrete must be dry brushed to remove any dust and loose debris from the surface and within any joints. Wash and allow to dry before tiling.

Plasterboard, moisture resistant plasterboard, tilebacker boards

When tiling to plasterboard, ensure that the correct paper side is visible for tiling and refer to the board manufacturer's instructions for fixing and application of decorative finishes. Note that the weight of tiling and the adhesive bed should not exceed 32 kg/m².

Ensure that tilebacker boards are installed as directed by the manufacturer and they provide a firm and stable substrate. Check with the board manufacturer whether there are any weight restrictions.

Gypsum plaster

Plasterwork must be at least 4 weeks old (1 week if a plaster skim coat to over e.g. plasterboard), dry, sound and show no signs of delamination or bond loss from the supporting substrate.

Plaster should not have been over-trowelled or have an overly shiny, polished surface. If this is the case, it is recommended that the surface is mechanically abraded e.g. with a wire brush, followed by washing down to remove any dust created. Allow to dry and prime with a 1:1 dilution Butech Universal Bonding Agent and water. Allow the primer to dry. Note that the weight of tiling and the adhesive bed should not exceed 20 kg/m².

Glazed bricks and tiles

The adhesive bonds well to glazed surfaces although the bond is significantly enhanced by priming with Butech Techniprim, which we strongly recommend. Ensure that old tiles are well bonded to the substrate beneath and that they are free from contamination such as grease, wax, soap residues etc. Wash down with a detergent and thoroughly rinse with plenty of clean water. Remove any loose or damaged tiles and repair with a suitable mortar. Allow the mortar to dry and cure before tiling. To improve adhesion, abrade the existing tile surface before new tiling is started.

APPLICATION

1. Spread the adhesive using a suitable trowel to cover approximately 1m² or 20 - 30 minutes working time. When tiling, select a suitable notched trowel which will ensure a minimum coverage of 65% to the back of the tile in dry internal wall areas and 100% coverage in wet areas e.g. showers and splashbacks. Generally larger notched trowels should be used as the tile size increases to ensure that the coverage requirements are achieved. The adhesive may be applied at thicknesses up to 3 mm.

2. Press the tiles firmly into the adhesive with a slight twisting action, checking that good contact is maintained with the backs of the tiles. Tiles should be fixed before the adhesive forms a skin i.e. within approx. 20 – 30 minutes of the adhesive being applied. Tiles can be adjusted up to 5-10 minutes after initial positioning.

3. Leave 1 - 2mm joints between wall tiles.

4. Remove all surplus adhesive from the tile face and between tile joints with a damp cloth as work proceeds and before the adhesive sets.

5. Under normal drying conditions grouting can be carried out after at least 24 hours, using an appropriate grout.

6. Wall tiling can be subjected to light duty use after 24 hours but only the intended full service conditions after a minimum of 14 days.

SHELF LIFE

Unopened buckets, stored in dry conditions and off the floor, will have a shelf life of at least 12 months. Opened or damaged buckets must be tested before using.

SIZES

Available in 15 kg buckets.

COLOUR

Off white.

COVERAGE

Depends on nature and flatness of the surface and the size of the tile to be installed. Generally on a flat substrate consumption will range from 2 kg/m² for mosaics and small tiles up to 5 kg/m² for larger tiles.

PRECAUTIONS

HEALTH & SAFETY WARNING

See product Material Safety Data Sheet for full safety information.

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IMPORTANT NOTICE

Whilst all reasonable care is taken in the compilation of this data sheet, it is the customer's responsibility to determine the suitability of the product for the desired application.

Note: Any advice, opinion or information is given to assist the use of the Company's products on the basis that the user will ensure its suitability for the application intended. In particular the Company cannot accept liability for loss or damage which may arise from incorrect use of its products or from poor workmanship. The Company operates a continuous research and development programme and reserves the right to update information without notice.

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