



TTB

Thick or Thin Bed Cement Based Tile Adhesive

DESCRIPTION

TTB is an economical, thick or thin bed, cement based tile adhesive, specifically formulated to bond a variety of tiles onto rigid substrates.

TTB is suitable for porous tiles, with water absorption of > 3%

USES

- TTB can be used on both walls and floors, interior and exterior applications.
- TTB can be used to fix tiles onto concrete, cement renders/screeds, blockwork, rendered brickwork and particular waterproofing membranes.
- TTB is recommended for the thin or thick bed fixing of ceramic and most monocottura tiles, as well as mosaics, terracotta, slate, quarry, granite and marble, with the exception of light coloured or green marbles.
- When using TTB with translucent/absorbent tiles, the colour of the adhesive must be considered, so as to avoid discolouration problems.
- TTB can be used to fix dense tiles, such as fully vitrified tiles when used in conjunction with Davco DAVELASTIC.
- TTB when combined with neat Davco DAVELASTIC can be used to fix tiles over tiles or fix tiles in immersed situations i.e. swimming pools, spas etc. Initially contact your Davco Construction Materials state office for further details.

SURFACE PREPARATION

- All surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and any other loose or contaminating materials.
- Painted surfaces must be scabbled/abraded to expose at least 80% of the original substrate.
- Newly rendered / screeded surfaces must be allowed to cure for at least 7 days and have a wood float finish.
- Old rendered / screeded surfaces must be thoroughly cleaned prior to tiling and have a wood float finish.
- New concrete must be allowed to cure for 6 weeks and have a wood float finish.
- Steel trowel finished concrete must be acid etched or mechanically abraded prior to tiling.
- Old concrete surfaces must be thoroughly cleaned prior to tiling.

- Make sure all release agents are removed from concrete surfaces, especially on tilt-up slabs.
- Certain non-absorbent/contaminated surfaces can easily be prepared for tiling via the use of Davco ULTRABOND. Refer to Ultrabond's data sheet for further details and suitability.

Movement joints should be provided as follows:

1. Over movement joints in the background.
2. At a junction between different background materials.
3. At fixtures interrupting the tile surface e.g. columns.
4. At internal vertical corners.
5. Around the perimeter of the tiling system.
6. At a maximum of 5 metre intervals in a grid pattern.

Note : Movement joints should go right through the tile adhesive bed to the background and be kept free from dirt and adhesive droppings. Movement joints must not be less than 6 mm nor greater than 10 mm wide. All movement joints that are 6 mm wide can be filled with LANKO 612 ACRYLIC. For wider applications use LANKO 603 POLYURETHANE or 607 PS SEALANT fillers.

MIXING

- Add TTB to a bucket of clean water mixing constantly until a thick creamy consistency is achieved.
- The mixing ratio is 25 kg of TTB to approximately 5.25 lt. of clean water.
- Allow the mixture to stand for 10 minutes, remix, then use the adhesive.

APPLICATION

- Spread the adhesive onto the substrate using a 6 mm x 6 mm notched trowel for the installation of wall tiles up to 150 mm x 150 mm.
- For the installation of floor tiles or wall tiles larger than 150 mm x 150 mm, use a 10 mm x 10 mm notched trowel
- Tiles with lugs, grooves or an uneven back must initially be butter coated with the adhesive, in addition to the adhesive being trowelled onto the substrate.
- A 6 mm x 6 mm notched trowel can be used to lay mosaic tiles.
- For wall tiling a minimum final bed thickness of 2 mm is recommended, whilst for floor tiling a minimum final bed thickness of 3 mm is recommended.



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- Do not spread more than 1 m² of adhesive at any one time.
- Press tiles firmly into position before the adhesive skins, ensuring that all the tiles are well bedded and that no voids occur under the tiles.
- Occasionally, in order to ensure that full coverage is being maintained, a tile should be removed, the adhesive coverage noted and the tile be relaid accordingly.
- Once the tiles have been laid, they must not be disturbed or trafficked upon for 24 hours at 20°C.

GROUTING

- Grouting can be carried out 24 hours after the completion of the tiling.
- Grouting can be carried out with Davco *Sanitized COLORGROUT* for joints 1-6 mm wide.
- To enhance the colour and increase water resistance and flexibility of the grout, use Davco GROUT-CURE. Refer to GROUT-CURE's data sheet for further details
- Allow 24 hours after grouting before putting the area into service.

PRECAUTIONS

- Do not apply TTB in temperatures above 40°C or below 5°C.
- Do not allow the adhesive to skin prior to laying the tiles. If the adhesive skins, remove and dispose of it, then re-apply fresh adhesive.
- Do not use TTB for fixing tiles with a water absorption of 3% or less.
- TTB must be used with neat Davelastic when tiling areas where continual immersion occurs i.e. swimming pools, spas, etc.
- For other uses or the use of TTB over substrates / situations not mentioned in these instructions, contact your Davco Construction Materials state office.
- Being cement based, TTB is alkali in nature, which can cause dermatitis. Thus, when using TTB, it is recommended that applicators wear PVC or similar gloves and safety goggles.
- For a full MSDS on this product, contact your Davco Construction Materials state office.

COVERAGE

A 25 kg bag of TTB will cover approximately 7.5 m² using a 6 mm x 6 mm-notched trowel.

CLEAN UP

- Remove any excess adhesive from the face of the tiles with a damp cloth, while the adhesive is still wet.
- Clean tools and equipment with water before the adhesive dries.

PACKAGING

TTB is available in 25 kg bags.

SHELF LIFE

Up to 12 months in unopened bags, stored in an elevated, cool dry position.

TECHNICAL DATA

Properties :

- Appearance : Grey Powder
- Bulk Density : ~1.4 kg/litre
- Open Time at 20°C : 7 minutes
- Adjustment Time at 20°C : 10 minutes
- Pot Life at 20°C : 40 minutes
- Drying Time at 20°C : 24 hours

DISCLAIMER

The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with AS 3958.1-1991.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.



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