



BOSTIK

FIXALL

STANDARD TILE ADHESIVE

TECHNICAL SHEET 09/2023

DESCRIPTION

FIXALL Standard Tile Adhesive is a high quality cement-based tile adhesive with superior workability. Used for thick and thin bed applications, it is ideal for ceramic tiles of all types and sizes as well as some porcelain tiles. (see performance table below).

FEATURES AND BENEFITS

- High tensile adhesion strength ≥ 1.0 MPa for ceramic tiles.
- Long pot life and open time yielded excellent workability and placement
- High quality yet economical
- Water cleanable and non-toxic
- No unpleasant odor
- Uniform bed profile especially used in thin bed application. Also applicable for thick bed application.

RECOMMENDED USES

- All types, sizes, & application of ceramic tiles
- Fully vitrified tiles (e.g. porcelain, mosaic etc.) applied vertically up to 30cm x 30cm in size
- Will give extra strength, better non-sag property & improve deformation if **Bostik POWERFIX** is added

APPLICATION METHODOLOGY

Surface Preparation

Make sure the substrate has been correctly installed according to relevant standards and manufacturer's recommendation:

- Allow curing time at least for screeds (7 days) and concrete (14 – 28 days).
- Remove all materials that will interfere with bond. These include but not limited to oil, grease, wax, release agents, curing compound, dust and any loose material.
- Ensure surface is mechanically sound. All weak or friable material must be removed.

Mixing

25 kg bag product mixes into 5.0 – 6.0 liters of water

For best results:

1. Add water to container.
2. Mix powder into water with mechanical stirring.
3. Mix until completely homogenous, smooth paste consistency.
4. Allow to stand for 1-2 minutes before using.



NOTE:

Don't add extra water after attaining the right mixture. Discard when the product stiffens to bucket or mixing board.

Application

1. Apply to the prepared substrate using notched trowel. Use a 6 mm notch for tiles up to 15 cm x 15 cm, a 10mm notch for up to 25 cm x 25 cm and a 12 mm notch for 30 cm x 30 cm tiles. Tiles 40 cm x 40 cm and above should be back-buttered in addition to using a 12 mm notched trowel.
2. Place and press firmly the tile into adhesive before it skins.
3. Slightly move the tile at an angle away from its initial position then place back to achieve a complete wetting contact surface between adhesive and tile.
4. Apply only up to one square meter at a time to avoid skinning.
5. If skinned, return the adhesive to the bucket then remix and re-spread it onto substrate.
6. Make sure that enough contact (at least 80%; or higher for large format tiles) is made between substrate and tiles.
7. Discard any material that has hardened before use.
8. Set the tiles appropriately and allow adhesive to harden / cure first before grouting.

NOTE: All workmanship must be carried out in accordance to relevant standard and good workmanship practices.

COVERAGE

On-site coverage will vary widely as it depends on a larger number of variables. These include but not limited to: application technique, substrate levelness, wastage, trowel angle, trowel wear, substrate absorption, contact coverage and flatness. As such the following coverage is intended as a guide only. It is strongly advised to conduct preliminary mock-up to determine the actual coverage based on site condition.

Approximately 3 kg powder per square meter using 6 mm x 6 mm notched trowel and 6 kg per square meter using 12 mm x 12 mm notched trowel.

PERFORMANCE ENHANCING ADDITIVES

Bostik POWERFIX may be used instead of water (Consult Bostik Philippines for details) to enhance the property of **FIXALL STANDARD TILE ADHESIVE** such as tensile adhesion, deformability and slip resistance.

| PERFORMANCE PROPERTIES | | |
|----------------------------|---|---------------------------------------|
| @28 Days; 25°C / 50% RH | Porcelain Tiles <0.5% Water Absorption | Ceramic Tiles >3% Water Absorption |
| Tensile Adhesion Strength | ≥0.5 MPa | ≥1.0 MPa |
| Water Immersion | ≥0.5 MPa | ≥0.5 MPa |
| Transverse Deformation | 1.0- 1.40mm | 1.0- 1.40mm |
| Open Time | 5-10 minutes | 5-10 minutes |
| Non-sag Property | No | Yes |

| PERFORMANCE TABLE / AREAS OF APPLICATION | | |
|--|-------------------|---------------------|
| MATERIALS / SIZE / APPLICATIONS | CERAMIC ALL SIZES | PORCELAIN MAX 30X30 |
| WALL | VERY GOOD | GOOD |
| FLOOR | EXCELLENT | VERY GOOD |
| WET | EXCELLENT | GOOD |
| IMMERSION | VERY GOOD | GOOD |
| LOW MOVEMENT | GOOD | FAIR |
| HIGH MOVEMENT | FAIR | FAIR |
| HEAVY TRAFFIC | GOOD | FAIR |

PHYSICAL PROPERTIES

| | |
|--------------|---|
| Appearance | Cement-based grey & white powder |
| Bulk Density | 1.50 g/m³ |
| Mixing SG | 1.80 g/m³ |
| Mixing Ratio | 5.0 – 6.0 L water per 25 kg bag |
| Pot Life | 3 hours at 22-25°C |
| Open Time | 5-10 minutes at 22 - 25°C & 50% RH |

*Average laboratory values provided as a general guide

**Actual field performance will depend on installation and site conditions

GROUTING

Use appropriate Bostik grout, allowing joint width of 1.5 mm to 6 mm for walls and 3 mm to 12 mm for floors.

CLEAN UP

Remove using a wet cloth before the product hardens. If allowed to set it must be removed mechanically.

SETTING TIME

6 – 8 hours at 25°C and 50% Relative Humidity. Pot life and setting time will be influenced by ambient conditions. In warm or dry conditions a shorter pot life and setting time should be expected and longer when cool. Extra care should be in warm or dry conditions to ensure the adhesive has stiffened significantly before the tiles are applied. Ensure that the open time has not been exceeded. If in doubt discard unused product and prepare a fresh batch.

STORAGE AND SHELF LIFE

Eighteen (18) months when stored off the ground in a cool, dry weatherproof environment.

PACK SIZE

Available in 25 kg and 5 kg

IMPORTANT NOTES

- When tiling directly onto waterproofing membranes, check to ensure compatibility. If not already approved by Bostik in writing, additional compatibility tests may be required.
- If considering tiling over paint, abrade, clean and sound it before tiling. Priming might be required.
- Don't use in windy or very low or high humidity conditions. Use only ambient conditions between 5 - 35°C.
- Contact Bostik for advice before work starts if substrates or tiles are unusual or non-traditional or if there is any uncertainty regarding suitability or preparation.
- Not suitable for continuous water immersion, otherwise use **Bostik POWERFIX**.
- For vertical application, do not exceed 2.7 m for single tile otherwise check that it will support the intended weight.

DISCLAIMER:

The information in this Technical Data Sheet is intended for the assistance of users and is of a general nature. It reflects the extent of our knowledge and experience of our products and is based on tests which we believe to be reliable. However, no guarantee of accuracy can be given due to the wide range of surfaces, environmental and field conditions and variations encountered in raw materials, manufacturing equipment and methods at the place where the work is performed. Some of these will be beyond our knowledge and control. Users are asked to make sure that the TDS in their possession is the latest issue. Likewise, we recommend users carry out their own tests to determine the suitability of the product for their particular purposes.

Any claim for a defective product must be filed within 30 days of discovery of a problem and must be submitted with written proof of purchase. Claims are not transferrable or assignable and extend only to the original purchaser/user. Bostik reserves the right to inspect and alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so. Bostik limits its liability to the replacement of the product/s proven faulty.

BOSTIK PHILIPPINES, INC.

35/F Penthouse Raffles Corporate Center
F. Ortigas Jr. Road, Ortigas Business Center
Pasig City, Philippines
Tel No: +63 2 900 5856 | Fax: +63 2 900 5616

BOSTIK HOTLINE

Smart help +63 2 900 5656

