



Fix & Grout Brick

Ready-to-use, high-performance mould-resistant adhesive paste with no vertical slip and BioBlock® technology, used for bonding brick slips and lightweight cementitious composite or synthetic resin slips in internal and external environments



CLASSIFICATION ACCORDING TO EN 12004

Fix & Grout Brick is a dispersion adhesive (D), improved (2) with no vertical slip (T), classified as D2T.

*Conformity of **Fix & Grout Brick** is declared in ITT certificate n° 25080309/Gi (TUM) issued by the Technische Universität München laboratory (Germany).*

WHERE TO USE

Fix & Grout Brick is used for bonding all types of brick slips and ornamental lightweight cementitious composite or resin slips on internal and external walls.

Excess adhesive, which seeps out from joints, can be smoothed over with a brush, to act as a grout for these joints.

TECHNICAL CHARACTERISTICS

Fix & Grout Brick is a ready-to-use adhesive in water dispersion made using synthetic resins, selected minerals and admixtures.

Fix & Grout Brick is in paste form and is easy to apply. The open time of the product is 20 minutes (at +23°C and 50% R.H.), which makes the laying process more secure.

The adhesive is thixotropic, and brick slips bond immediately to surfaces without slipping.

The viscosity of **Fix & Grout Brick** is such that any excess adhesive which seeps out from the joints may be smoothed over using a damp brush, thus avoiding having to fill gaps in the joints later. If this kind of application is used, it is important that the adhesive which seeps out from the joints is smoothed over before a skin forms on its surface.

Fix & Grout Brick sets due to loss of its water content. Once it has completely set, it is considerably flexible, forms a very strong bond and is resistant to UV rays and ageing.

Fix & Grout Brick hardens without shrinking in joints up to 8-10 mm, does not form efflorescence and resists temperatures up to +70°C.

RECOMMENDATIONS

- Do not use **Fix & Grout Brick** on surfaces subject to continuous immersion in liquids (in swimming pools, for example) or on walls subject to rising damp.
- Do not use for bonding non-absorbent materials on non-absorbent surfaces.
- Do not use on metallic surfaces.
- Only use **Fix & Grout Brick** on timber substrates which are stable in the presence of water and which is fixed rigidly in place.

Fix & Grout Brick



Spreading cement grey Fix & Grout Brick to a feather edge on the substrate



Spreading cement grey Fix & Grout Brick diagonally with a notched trowel



Laying terracotta slips



Pressing the slip into position to guarantee good buttering and filling of the joints



Smoothing the joints with a damp brush

TECHNICAL DATA (typical values)

Conforms to the following standards:

- European: EN 12004 (D2T)
- ISO 13007-1 (D2T)

PRODUCT IDENTITY

| | |
|--|---|
| Consistency: | thick paste |
| Colour: | white (100), cement grey (113) and beige 2000 (132) |
| Bulk density (g/cm³): | 1.65 ± 0.05 |
| Dry solids content (%): | 84 |
| Brookfield viscosity (mPa·s): | 1,000,000 |
| pH: | 8-9 |
| Application temperature range: | from +5°C to +30°C |
| Resistance to freeze-thaw cycles: | resistant |

APPLICATION DATA (at +23°C - 50% R.H.)

| | |
|--|---------------|
| Open time (according to EN 1346): | 20 minutes |
| Adjustment time: | 30-35 minutes |

FINAL PERFORMANCE

| | |
|---|-------|
| Bond strength according to EN 1324 (N/mm²): | |
| - initial adhesion: | > 1 |
| - after heat ageing: | > 1 |
| - after immersion in water: | > 0.5 |
| - at elevated temperatures: | > 1 |

APPLICATION PROCEDURE

Preparation of the substrate

All substrates used with this product must conform with current standards. Substrates must be flat, stable, mechanically strong, dry and free of oil, grease, wax and loose or crumbly parts.

Cracks must be removed and any loose parts must be eliminated. If the substrate is not flat, it must be levelled using a suitable smoothing and levelling compound.

Fix & Grout Brick may be applied without a primer on gypsum substrates, if they are dry and mechanically strong.

Application of the adhesive and brick slips, and finishing off the joints

This laying method allows the brick slips to be laid with a natural finish and to finish off the joints during the same operation.

Apply **Fix & Grout Brick** on the substrate using a suitably sized notched trowel (No. 6, 8 or 10 trowel) in order to completely butter the back of the pieces to be laid. Apply the adhesive diagonally to the joints in the brick slips. Laying may be carried out directly, or after smoothing out the ridges in the adhesive using the flat edge of the trowel.

Lay the brick slips with the natural side face up in the adhesive, and move them slightly from left to right so that a small amount of adhesive collects in the joints between adjacent brick slips (leave a joint from 8 to 10 mm). Smooth over the adhesive in the joints using a suitable brush, making sure that it is dipped in water regularly to keep it damp.

Finishes laid using **Fix & Grout Brick** must be protected from the rain for at least

24 hours, and from frost or direct sunlight for at least 5 to 7 days.

Cleaning

Immediately remove residues of adhesive from the finished material using a damp sponge. Remove hardened residues of adhesive with a stiff brush. Do not apply the product on surfaces exposed to the sun.

CONSUMPTION

- For bonding small sizes: No. 6 trowel, approximately 1.4-1.8 kg/m².
- For bonding medium sizes: No. 8 trowel, approximately 2.5-2.7 kg/m².
- For bonding large sizes: No. 10 trowel, approximately 4-4.2 kg/m².

PACKAGING

Fix & Grout Brick is available in 5 kg and 12 kg plastic tubs.

COLOURS AVAILABLE

Fix & Grout Brick is available in white (100), cement grey (113) and beige 2000 (132).

STORAGE

Fix & Grout Brick may be stored for up to 24 months in its original packaging in a dry place. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Fix & Grout Brick is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. It is however recommended to wear protective gloves, eyes protection and to take the usual precautions for handling chemicals.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.



Spreading adhesive on the back of ornamental units



An example of laying ornamental lightweight cementitious composite slips externally



Spreading adhesive to a feather edge on the substrate

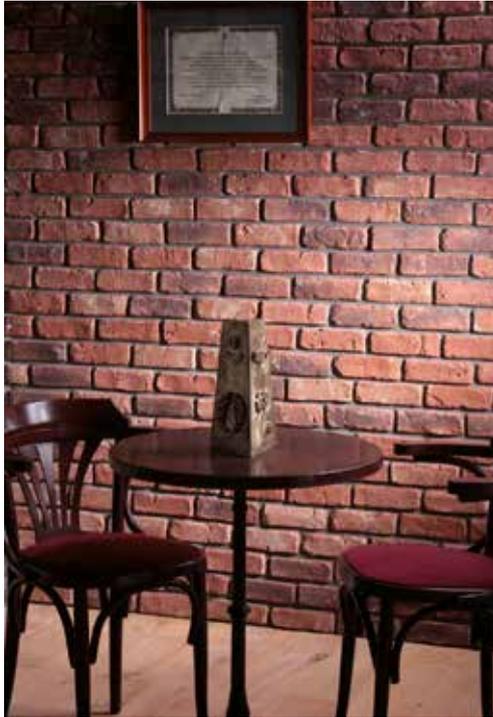


Spreading white Fix & Grout Brick diagonally with a No. 10 notched trowel

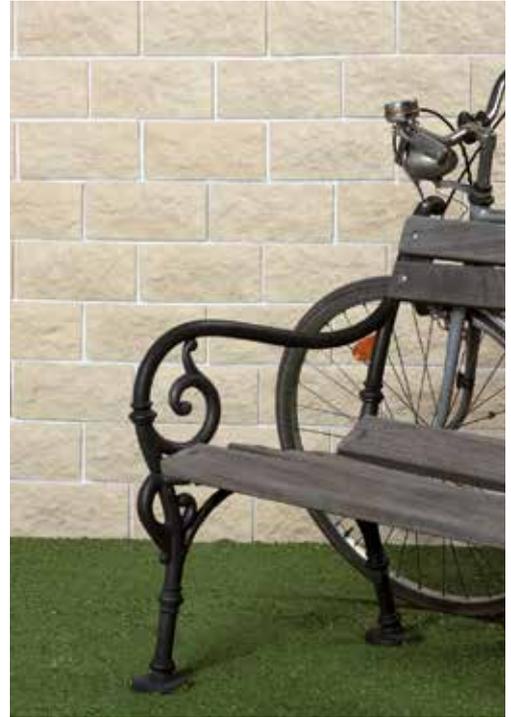


Smoothing the joints with a damp brush

Fix & Grout Brick



An example of laying terracotta brick slips outside



An example of laying ornamental units in lightweight cementitious conglomerate externally

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com



All relevant references for the product are available upon request and from www.mapei.com

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