



# Fix & Grout Concrete & Timber Floors Ready mix Floor Adhesive + Grout



**Water-based, mould resistant, ready to use high performance water resistant tile adhesive and grout for floors**

#### **CLASSIFICATION ACCORDING TO EN 12004**

**Fix & Grout Concrete & Timber Floors** is a dispersion adhesive (D) improved (2) with an extended open time (E) of class D2E.

Conformity of **Fix & Grout Concrete & Timber Floors** is declared in **ITT certificate no. (103171) - 15043** issued by Ceram UK.

#### **WHERE TO USE**

For interior use on floors only. Suitable for use in domestic kitchens and bathrooms. For the installation of porous ceramic tiles, porcelain. For fixing onto sand: cement screed, concrete, securely fixed tongue and groove chipboard, floor boards, 15 mm plywood overlay and tile backer boards.

#### **Some application examples**

**Fix & Grout Concrete & Timber Floors** is used for bonding and grouting ceramic and porcelain tiles. Please note: If used with a porcelain tile the drying times will be greatly increased.

Recommended for normal household installations- kitchen, bathrooms, conservatories and other household areas.

Ensure that all substrates are fully cured and dry before commencing tiling. Wet applied substrates such as concrete, sand cement screed must be left to dry for a period of 1mm per day or 6 weeks / 3 weeks minimum respectively.

If fixing to a new timber substrate, the timber must be allowed to acclimatise to the room atmospheric climate. Dusty surfaces may be primed with **Primer G** or **Eco Prim T** diluted 1:1 with water, allow to fully dry before tiling.

#### **CHARACTERISTICS**

**Fix & Grout Concrete & Timber Floors** is a flexible aqueous dispersion based adhesive of D2E classification. Based on fine-graded mineral fillers and additives.

Mould resistant BioBlock Technology.

**Fix & Grout Concrete & Timber Floors** is easy to trowel to most timber and concrete surfaces.

**Fix & Grout Concrete & Timber Floors** sets as the water it contains evaporates when it forms an extremely strong bond between tile and substrate. It is resistant to the normal vibration found in domestic dwellings.

**Fix & Grout Concrete & Timber Floors** although flexible will only perform if the substrate has been rigidly fixed following British Standard installation guidelines. When used as a grout it is water resistant for application on floors in kitchens and most domestic bathrooms.

**Fix & Grout Concrete & Timber Floors** hardens without shrinking in joints up to 6mm. Due to the product being non-thixotropic, is not suitable for walls.

#### **RECOMMENDATIONS**

- **Fix & Grout Concrete & Timber Floors** is not suitable for heavy duty wet areas or in areas of constant water immersion, e.g. communal showers, power showers or swimming pools.
- **Fix & Grout Concrete & Timber Floors** can be used on shower floors provided that the MAPEI Shower Waterproofing Kit has been installed and the tile is absorbent.

## TECHNICAL DATA (typical values)

Conformity with:

– European Standard EN 12004 as D2E

### PRODUCT IDENTITY

Consistency:	soft paste
Colour:	grey
Density (g/cm <sup>3</sup> ):	1.60
Dry solids content (%):	80 ± 0.5
Brookfield Viscosity (mPa-s):	650,000 ± 50,000

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

Application temperature range:	from +5°C to +35°C
Open time (according to EN 1346):	40 minutes
Adjustability time:	50 minutes
Grouting:	after 24 hours
Ready for use:	after 7-14 days depending on the absorption of the surface

### FINAL PERFORMANCES

<b>Shear adhesion strength according to EN 1324 (N/mm<sup>2</sup>):</b> – initial shear adhesion strength: – shear adhesion strength after heat ageing: exceeds minimum requirements of BS EN 12004 type D2E – shear adhesion strength after water immersion: – shear adhesion strength after elevated temperature:	> 1 > 1 > 0.5 > 1
Resistance to moisture:	good
Resistance to ageing:	excellent
Resistance to solvents and oils:	poor
Resistance to acids and alkalis:	poor
Temperature resistance in service:	from –30°C to +90°C
Deformability:	highly deformable

- **Fix & Grout Concrete & Timber Floors** is for use on interior floors only.
- Do not grout until the adhesive has dried. This is usually within 24-48 hrs depending on the tile and the substrate type, and ambient temperature. When using porcelain tiles drying times will be greatly extended.
- Do not use on metallic surfaces.
- Only use **Fix & Grout Concrete & Timber Floors** on moisture resistant grade timber which is fixed rigidly in place using screws.
- Do not use for bonding non-absorbent materials on non-absorbent surfaces i.e. porcelain tiles must be fixed to an absorbent substrate. At least one of the surfaces must be absorbent.
- Do not exceed a tile size of 300 x 300 mm.

#### APPLICATION PROCEDURE

Ensure the substrate is flat, firm and dry and free from contamination such as paint, polishes, old adhesive residues, grease, laitance and dust. Remove these residues by mechanical means i.e. abrasion. If fixing to concrete or solid sand; cement screeds, prime with **Primer G** or **Eco Prim T** diluted 1:1 with water.

New concrete should be left to fully cure for a minimum 1 mm per day or 6 weeks. sand: cement screeds should be left to fully cure for 3 weeks min. Calcium sulphate screeds must be fully dry. Mechanically abrade to remove all laitance, remove all dust created and prime with **Primer G** 1:2 or 1:3 parts water. Refer to manufacturer's recommendation for drying times.

Once priming has taken place tiling can usually commence after 1-2 hours. Spread the adhesive over no more than 1m<sup>2</sup> before applying tiles. The open time of the adhesive is approx. 40 mins depending on the porosity and type of substrate and the temperature of the room.

Apply the adhesive using a suitable notched trowel to ensure a solid layer of adhesive supports the tiled finish. Generally a larger notch will be used for larger format tiles. Check by lifting a tile to see this coverage is maintained. Apply an additional layer of adhesive to the rear of larger tiles.

Clean any residues from the tile face immediately. If a matt finish or rough textured tile is used please be aware the **Fix & Grout Concrete & Timber Floors** will dry in the pores of the tile. It is essential to clean off immediately.

Do not grout until the adhesive has dried. This is usually within 24-48 hrs depending on the tile and the substrate. Using a MAPEI grout squeegee/rubber float, spread the **Fix & Grout Concrete & Timber Floors** firmly into the tile joints ensuring a full joint is achieved. Wipe off all excess grout immediately using a lightly dampened sponge or a white coloured MAPEI emulsifying pad. Do not over wash the grout during the cleaning off process as this may introduce air bubbles or pin holes into the grout surface.

#### COVERAGE/CONSUMPTION

As an adhesive using a standard trowel - coverage approx 3-5 m<sup>2</sup> per 15 kg bucket. When grouting a tile 300x300x10 mm with a 5 mm Joint, the coverage will be approx 0.5 kg m<sup>2</sup>.

**Please note:** The above figures are separate calculations and are not valid for the product used as both adhesive and grout i.e. the quantity used for grouting will be additional to the quantity used for tiling.

#### PACKAGING SIZES

15 kg.

#### Cleaning

Immediately remove residues of adhesive or grout from the tiles using a damp sponge. Do not over wash the grout joints. Remove hardened residues with a white emulsifying pad.

#### STORAGE

Store off the ground in a cool dry environment, free from frost and direct sunlight. Protect from sunlight. **Fix & Grout Concrete & Timber Floors** has a shelf life of 12 months. Once opened it is recommended to apply a layer of polythene or similar on top of the product in the tub if it will not all be used at once. This will help maintain the shelf life of the product, however it is recommended to use the product soon after opening.

#### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Fix & Grout Concrete & Timber Floors** is not considered as dangerous according to the current regulation regarding the classification of mixtures. We recommend to wear protective gloves and goggles and to take the usual precautions for handling chemicals.

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

PRODUCT FOR PROFESSIONAL USE.

#### N.B.

*Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application.*

*No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification.*

*End users should ensure that our latest product data and safety information sheets have been consulted prior to use.*

**Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.com](http://www.mapei.com)**

#### TECHNICAL INFORMATION

For all other technical information please call MAPEI Technical helpline on 0121 508 6970.



**Our Commitment To The Environment**  
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**

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