



Waterproof Fix & Grout Ready mix Adhesive + Grout for walls

Water-based, mould resistant, ready to use high performance adhesive and grout for use in dry and wet duty areas

CLASSIFICATION ACCORDING TO EN 12004

Waterproof Fix & Grout is a dispersion adhesive (D) improved (2) with no vertical slip (T) with extended open time (E) of class D2TE.

*Conformity of **Waterproof Fix & Grout** is declared in ITT certificate no. (103171)-15042 issued by Ceram UK.*

WHERE TO USE

Mapei Waterproof Fix & Grout is suitable for fixing and grouting ceramic tiles and mosaics in interior locations such as kitchens, bathrooms, utility rooms and shower areas. Can also be used to bond porcelain tiles provided they do not exceed 200x200 mm and that the substrate is porous i.e. do not attempt to bond porcelain tiles to an impervious substrate such as existing tiles or a waterproof membrane.

For fixing tiles to walls onto substrates including plaster, plasterboard, existing tiled finishes, tilebacker boards, sand:cement render, concrete, WBP or marine grade plywood.

Some application examples

Waterproof Fix & Grout resists the formation of mould using MAPEI's trademark **BioBlock** technology and is therefore ideally suited for the installation of ceramic/porcelain tiles and/or mosaics in domestic installations such as kitchens and bathrooms. Suitable for use in showers including power showers where the MAPEI Shower waterproofing kit has been used. Ensure that the substrate is fully cured and dry before commencing tiling. Plaster must be a minimum of 28 days old and render 14 days. Ensure that the weight limits for plaster (20 kg/m²) and plasterboard (32 kg/m²)

are not exceeded. Remove as much dust as possible but where small amounts remain, prime with MAPEI **Primer G** diluted 1:1 with water. Very porous substrates such as old plaster should also be primed with diluted **Primer G**. Allow the primer to dry. Do not prime impervious substrates such as old tiles. Board substrates should be rigidly screw fixed to an adequate supporting framework and be constructed in such a way as to provide a firm, stable substrate. Remove and replace hollow areas e.g. loose plaster and repair cracks with a suitable filler. When bonding to old tiles, remove cracked, damaged or hollow sounding tiles and repair with a suitable mortar.

CHARACTERISTICS

Waterproof Fix & Grout is an aqueous dispersion based adhesive classified as D2TE and based on acrylic resins, fine-graded mineral fillers and additives. Mould resistant BioBlock Technology.

Waterproof Fix & Grout is a viscous paste that can be easily trowelled on vertical surfaces. Once positioned the tiles remain in place, thanks to its excellent initial grab and slip resistant properties.

Waterproof Fix & Grout 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. As a grout it is water resistant for application on walls in kitchens, bathrooms and showers.

Waterproof Fix & Grout hardens without shrinking in joints of up to 4 mm.

TECHNICAL DATA (typical values)	
Conformity with:	– European Standard EN 12004 as D2T
PRODUCT IDENTITY	
Consistency:	thick paste
Colour:	white
Density (g/cm ³):	1.55
Dry solids content (%):	77 ± 0.5
Brookfield Viscosity (mPa·s):	900,000
APPLICATION DATA (at +23°C - 50% R.H.)	
Application temperature range:	from +5°C to +35°C
Open time (according to EN 1346):	30 mins
Adjustability time:	30 mins
Grouting:	after minimum 24 hours
Ready for use:	after 7-14 days depending on the absorption of the surface
FINAL PERFORMANCES	
Shear adhesion strength according to EN 1324 (N/mm ²): – initial shear adhesion strength: – shear adhesion strength after heat ageing: exceeds minimum requirements of BS EN 12004 type D2T – after water immersion: – at elevated temperature:	> 1 > 1 > 0.5 > 1.0
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:	deformable

RECOMMENDATIONS

- **Waterproof Fix & Grout** is not suitable for use externally, in heavy duty wet areas or in areas of constant water immersion, e.g. communal showers or swimming pools.
- **Waterproof Fix & Grout** can be used in power showers provided the MAPEI Showers Waterproofing Kit has been installed.
- **Waterproof Fix & Grout** is for use on interior walls only.
- Do not grout until the adhesive has dried completely. This is usually within 24-48 hrs depending on the tile size, substrate type and ambient temperature. Lower temperatures can lengthen this time period.
- Do not use on metallic surfaces.
- Do not use with natural or agglomerate stone tiles or tiles that exceed 300x300 mm (200x200 mm when porcelain).
- Do not use for bonding non-absorbent materials to non-absorbent surfaces i.e. porcelain tiles must be fixed to an absorbent substrate. At least one of the surfaces must be absorbent.

APPLICATION PROCEDURE

Ensure the substrate is flush and plumb, 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. Prime dusty or extremely porous surfaces with **Primer G** diluted 1:1 with water.

New plaster should be left to fully cure for a minimum of 28 days and render for a minimum of 14 days. If the plastered walls have been finished to a shiny glass like finish it is essential to roughen the surface using e.g. a wire brush. Remove all dust created and prime with **Primer G** diluted 1:1 water. Ensure all substrates are fully dry before commencing tiling or priming.

Once priming has taken place tiling can usually commence after 1-2 hours, however wait until the primer has dried.

Spread the adhesive over no more than 1 m² before applying tiles. The open time of the adhesive is approx. 30 mins depending on the porosity and type of substrate and the temperature of the room.

Apply the adhesive using a suitable trowel to ensure at least 65% contact in dry areas and a solid layer of adhesive in wetter areas. Generally a larger size notch will be required for larger format tiles. Do not exceed tile size of 300x300 mm. Check the coverage by lifting a tile occasionally and inspecting. 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 that the **Waterproof Fix & Grout** will dry in the pores of the tile. It is therefore essential to work carefully and to clean the grout off immediately. It is recommended that a trial

area be carried out to ensure compatibility between tile and grout.

Do not start to grout until the adhesive has dried. This is usually within 24-48 hrs depending on the tile, the substrate and the temperature.

Before commencing grouting ensure that the product is clean and has not become contaminated during the tiling process. Use a MAPEI grout squeegee/rubber float to push the **Waterproof Fix & Grout** firmly into the tile joints ensuring a full joint is achieved. Strike off as much material as possible from the tile face using the squeegee diagonally to the tile face. Wipe off the remaining excess grout within 5 to 10 minutes using a lightly dampened sponge or a white coloured MAPEI emulsifying pad. Use a circular motion over the tiles but do not over wash the grout during this cleaning process as this may introduce air bubbles or pin holes into the grout surface. Strike the joints with the edge of the sponge to leave a neat finish. Once dried buff up the tiles with a clean, dry cloth.

COVERAGE/CONSUMPTION

As an adhesive in a dry area using a standard notched wall trowel - coverage up to approx. 3-4 m² per 7.5 kg bucket, 1.5-2 m² per 3.75 kg bucket and 0.6-0.8 m² per 1.5 kg tub. When grouting a tile 150 x 150 x 6 mm tile with a 2 mm joint this coverage will be approx. 0.3 kg/m².

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

1.5 kg, 3.75 kg and 7.5 kg.

Cleaning

Do not allow the product to dry on the tile face. Immediately remove residues of adhesive or grout from the tiles using a damp sponge. Do not over wash the grout joints. Hardened residues can only be removed mechanically.

STORAGE

12 months in original sealed packaging. Store off the ground in a cool dry environment free from frost and damp. Protect from sunlight.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Waterproof Fix & Grout 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 chemical products.

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

PRODUCT FOR PROFESSIONAL USE.

**Waterproof
Fix & Grout**
Ready mix Adhesive
+ Grout for walls

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

TECHNICAL INFORMATION

For technical information please call the 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**

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