



Fast Set Adhesive

Cement-based, fast setting wall and floor tile adhesive

Properties:

- Cement-based grey adhesive.
- Conforms to EN 12004 as C1F.
- Resistant to water and frost.
- Rapid setting - walk on after 3 hours.
- Open time - approx. 10 minutes.
- Pot life - approx. 20 minutes.

Where to use:

- Interior and exterior wall and floor areas.
- Kitchens, bathrooms, showers, conservatories, porches, sheltered exterior areas.
- Domestic and light duty commercial areas.
- For the installation of porous bodied wall tiles and mosaics, vitrified floor tiles and mosaics, quarry tiles and brick slips.
- Maximum tile size 330 x 330 mm.
- Concrete.
- Cement:sand screeds.
- Calcium sulphate based screeds.
- Gypsum plaster and plasterboard.
- Cement:sand render.

Not suitable for:

- The installation of synthetic or natural stone.
- The installation of porcelain tiles.
- Use with underfloor or undertile heating.
- Use in swimming pools.
- Plywood or other tilebacker board substrates.

Substrate preparation:

Concrete substrates must be at least 6 weeks old and cement:sand screeds at least 3 weeks old prior to commencing tiling. Calcium sulphate screeds must be abraded to remove the surface laitance prior to priming with **Mapei Plaster Primer**. They must additionally be dry to 0.5% w/w moisture when measured using a carbide hygrometer.

Ensure that floor substrates are suitably flat and level (unless a slope is required) and that walls are flush and plumb. In addition the substrate must be firm, sound, free from cracks, suitably strong to take the weight of the tiling and dry. It should also be free from any

contamination likely to impair adhesion such as loose or friable areas, dust, paint, grease, wax, mould, plaster droppings etc.

Plaster substrates should be allowed to dry out for a minimum of 4 weeks prior to priming with **Mapei Plaster Primer** (1 week for plaster skim coats over plasterboard) and cement:sand renders for a minimum period of 2 weeks. Shiny plaster walls may require a light sanding followed by a primer coat of **Mapei Plaster Primer** once all dust has been removed. Plasterboard must be well secured and rigid. Very porous surfaces may be primed with **Mapei Plaster Primer** to reduce the suction and thus prevent rapid skinning of the adhesive.

In shower areas protect the substrate with a suitable waterproof coating prior to fixing the tiles. Do not use bitumen based waterproof coatings / membranes.

Note:

The maximum weight of tiling onto plaster should not exceed 20 kg/m² or 32 kg/m² for plasterboard (not skimmed).

Product preparation:

When mixing a full bag, place between 3.6 and 4.0 litres of clean water into a clean mixing bucket. Slowly add the adhesive powder from a 20 kg bag whilst continuously stirring with a mechanical mixer set to a slow speed. Mix for approx. 2 minutes until the mix is free from lumps. Where smaller quantities are to be mixed, use between 0.18 and 0.20 litres of water per 1 kg of powder (approx 1 part water to 5 parts powder).

Product application:

Spread the adhesive onto the correctly prepared substrate using a suitable notched trowel ensuring that a minimum of 65% coverage is achieved in dry interior wall areas with 100% in wet areas, on floors and all exterior areas. When installing heavier tiles on walls it may be necessary to use battens. Remove tiles occasionally to check the contact area. To ensure that the substrate is sufficiently wetted out by the adhesive and to close-off open textured screeds etc. it is

recommended that a thin skim coat of the adhesive is spread over the substrate using the flat side of the trowel prior to combing more adhesive onto the area. Press the tiles in position, before the adhesive has formed a skin, using a twisting action to ensure good adhesive contact. Leave clean open joints between the tiles. Do not spread more adhesive than can be tiled within 10 minutes and do not apply when the temperature is less than +5°C or above +30°C.

Grouting:

The tiles can be grouted once the adhesive bed has dried. This is generally between 2 and 3 hours but this time period will be extended in cold conditions or where the substrate is less porous. Use an appropriate grout such as **Mapei Flexible Wall & Floor Grout** or **Mapei Anti-Mould Flexible Coloured Grout**.

Movement joints / general sealant:

Movement joints should be incorporated in accordance with the relevant section of BS 5385 to allow for expansion/contraction in the substrate. Use a suitable sealant or pre-formed section.

Consumption:

Dependent on the size of the tile and the type of installation - between 2.5 and 5 kg/m². When using a typical 300 x 300 mm tile, a 20 kg bag may cover up to 5 m².

Cleaning:

Remove excess adhesive from the tile face as work proceeds using a damp cloth or sponge. Once the adhesive has hardened it can only be removed mechanically or with acid based cleaners. Clean tools and hands with clean water and soap as necessary.

Packaging:

Mapei Fast Set Adhesive is available in grey in 20 kg bags.

Storage / shelf life:

The product should remain useable up to 12 months in the original unopened packaging from the date of manufacture when stored dry in frost-free conditions above +5°C and below +30°C. Store away from direct sunlight, strong draughts and keep off the ground. Protect from moisture i.e. damp and condensation. Use opened packaging promptly. The product complies with the conditions of Annex XVII to Regulation (EC) N° 1907/2006 (REACH), item 47.



Health & Safety information:

Keep out of reach of children. Avoid contact with the skin and eyes. Wear suitable clothing, gloves and eye/face protection. In case of contact with the eyes rinse immediately with plenty of clean water and seek medical advice.

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

Disclaimer:

While the indications and guidelines contained in this data sheet correspond to the company's knowledge and wide experience, they must be considered, under all circumstances, merely as an indication and subject to confirmation only after long term, practical applications. Therefore, anybody who undertakes to use this product must ensure beforehand that it is suitable for the intended application and, in all cases the user is to be held responsible for any consequences deriving from its use.

Technical Hot Line:

For all technical enquiries regarding the use of this product or any other product from the **Mapei range** contact **tel. 0121 508 6970** or email **technical@mapei.co.uk**.



**PORCELAIN, CERAMIC TILES AND MOSAICS
ON FLOORS AND WALLS, INTERIOR AND EXTERIOR**



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