



Fast Set Plus Adhesive



Fast setting ceramic & porcelain tile adhesive for use on walls and floors

Classification:

Mapei Fast Set Plus Adhesive is a cementitious adhesive (C) with standard characteristics (1) and fast setting properties (F), classified as C1F.

Where to use:

Interior bonding of ceramic and porcelain tiles and mosaics and external bonding of ceramic tiles and mosaics. Suitable for walls and floors in kitchens, bathrooms, showers, conservatories, and enclosed porches in domestic and light commercial applications.

Application examples:

Bonding tiles and mosaics to the following substrates:

- Concrete
- Sand:cement screed
- Suitably prepared gypsum plaster
- Plasterboard
- Sand:cement render

Recommendations:

Do not use **Mapei Fast Set Plus Adhesive**:

- On precoat and poured concrete walls.
- On walls or floors that are subject to deflection or vibration.
- On metal surfaces.
- On plywood or other tile backer board substrates.
- In areas containing underfloor and undertile heating systems.
- In swimming pools.
- For the installation of synthetic or natural stone tiles.
- For installations that require an adhesive thickness greater than 5mm.

Preparing the substrate:

All substrates must be flat, sound, and free of loose parts, grease, oils, paints, wax, etc. Cementitious substrates should not continue to shrink after the installation of the ceramic tiles. Renders must be cured for a minimum of 2 weeks. New concrete must be allowed to cure for a minimum of 6 weeks. Cementitious

screeds must be cured for a minimum of 3-4 weeks.

Dampen the surfaces with water to cool down, should they be too warm or exposed to direct sunlight. Gypsum substrates and anhydrite screeds must be perfectly dry (max. residual moisture 0.5%), sufficiently hardened and free from laitance. It is essential that they be treated with a suitable Mapei primer.

Preparing the mix:

To a clean mixing bucket add clean water at ratio of 1.8 – 2.0L for a 10kg bag or 3.6 – 4.0L for a 20kg bag of **Mapei Fast Set Plus Adhesive**. Slowly add the powder while continuously stirring with a mechanical mixer set to a slow speed until a smooth, lump free past is obtained. Allow the product to sit for 2-3 minutes before remixing one final time. Once mixed the pot life of the prepared product is approximately 20 minutes..

Applying the mix:

Mapei Fast Set Plus Adhesive is applied to the substrate using a notched trowel. Choose a trowel in order to achieve 65-70% coverage of the back of the tiles for internal walls and 100% for floor areas, and all external works and wet areas.

To obtain good adhesion, spread a first thin layer of **Mapei Fast Set Plus Adhesive** on the substrate using the straight edge of the trowel. Immediately, apply the necessary thickness of **Mapei Fast Set Plus Adhesive** using a suitable notched trowel, depending on the type and size of the tiles (see "Consumption"). For external tiling and when applying tiles in wet areas, spread the adhesive on the back of the tile (back-buttering) in order to ensure complete contact.

Installing the tiles:

Do not wet the tiles before installing. Only when dusty is it recommended to dip the tiles in clean water. Dry before fixing. Tiles should be installed with a firm twisting/sliding motion to ensure good contact with the adhesive. In normal temperature and humidity conditions, the open time of **Mapei Fast Set Plus Adhesive** is approximately 10 minutes. Unfavourable weather conditions (strong sun, drying wind, high

temperatures, etc.) or a highly absorbent substrate can reduce the open time to just a few minutes. It is therefore necessary to check carefully in order to ensure that a skin has not formed on the surface of the applied adhesive. If so, re-freshen the adhesive by re-spreading with a notched trowel. It is not recommended to wet the adhesive with water once a skin has formed because the water will form an anti-adhesive film. If necessary, tiles can be adjusted within 5-10 minutes after installation. Tiling installed with **Mapei Fast Set Plus Adhesive** must not be washed or exposed to rain for at least 24 hours and must be protected from frost and strong sun for at least 5-7 days.

Grouting and sealing:

Joints can be grouted after approximately 2-3 hours with the relevant MAPEI cementitious or epoxy grouts, available in a range of colours. Expansion joints must be sealed with the relevant MAPEI sealant.

Light foot traffic:

Floors are able to take light foot traffic after approximately 2-3 hours.

Ready for use:

Surfaces are ready to use after approximately 24 hours.

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.

Consumption:

Bonding ceramic tiles

- Mosaics and small size tiles in general: 2 kg/m²
- Large size tiles and floor tiling: 2.5-3 kg/m² 4 kg/m²

Packaging:

Mapei Fast Set Plus Adhesive grey is available in 10 kg and 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.



Health & Safety information:

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.co.uk.

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 proceeds 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 Hotline:

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 INTERIOR FLOORS AND WALLS**



**Mapei UK Ltd - Mapei House - Steel Park Road
Halesowen - West Midlands - B62 8HD
Tel: +44 121 508 6970 - Fax: +44 121 508 6960**