



Standard Set Plus Adhesive



**Tile adhesive with extended working time
for ceramic, porcelain and non moisture
sensitive stone**

Classification in compliance with EN 12004:

Mapei Standard Set Plus Adhesive is a cementitious adhesive (C) with improved characteristics (2), reduced slip (T) and extended open time (E), classified as C2TE.

Where to use:

Interior and exterior bonding of ceramic and porcelain tiles and mosaics. Suitable for walls and floors in kitchens, bathrooms, showers, and for installations of small tiles and mosaics in swimming pools and basins.

Application examples:

- Bonding tiles and mosaics on the following substrates:
 - Conventional renders or cementitious mortar walls
 - Interior aerated concrete block walls
 - Suitably prepared gypsum plaster or anhydrite screeds
 - Plasterboard or tile backer boards
 - Underfloor heating installations
 - Cementitious screeds, as long as they are sufficiently cured and dry

Recommendations:

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

- On precast and poured concrete walls
- On walls or floors subject to deflection or vibration (wood, fibre-cement, etc.)
- On metal surfaces
- For installations that require an adhesive thickness greater than 5 mm

Technical characteristics:

Mapei Standard Set Plus Adhesive is a grey or white powder composed of cement, fine-graded aggregates, synthetic resins and special additives developed in the MAPEI Research and Development Laboratories.

A mortar with the following features is obtained when mixed with water:

- Easily workable
- Highly thixotropic; **Mapei Standard Set Plus Adhesive** can be applied on a vertical surface without sagging or slipping even with heavy tiles
- Perfect adherence to all standard materials normally used in building
- Hardens with minimal shrinkage
- Extended open time
- Water and frost resistant

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:

Mix **Mapei Standard Set Plus Adhesive** with clean water until a smooth, lump-free paste is obtained. Leave to rest for approximately 2-3 minutes and re-stir. Use 29-31 parts water for every 100 parts by weight of **Mapei Standard Set Plus Adhesive**, which is equal to or 2.9-3.1 litres for every 10 kg of powder. Mixed this way, **Mapei Standard Set Plus Adhesive** has a pot life of approximately 8 hours.

Applying the mix:

Mapei Standard 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 Standard Set Plus Adhesive** on the substrate using the straight edge of the trowel. Immediately, apply the necessary thickness of **Mapei Standard 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 Standard Set Plus Adhesive** is approximately 30 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 60 minutes after installation. Tiling installed with **Mapei Standard 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:

Wall joints can be grouted after 4-8 hours and floor joints can be grouted after 24 hours with the relevant MAPEI cementitious or epoxy grouts, available in a range of different colours. Expansion joints must be sealed with the relevant MAPEI sealant.

Light Foot Traffic:

Floors are able to take light foot traffic after approximately 24 hours.

Ready For Use:

Surfaces are ready for use after approximately 14 days. Basins and swimming pools can be filled after 21 days.

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 warm 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 Standard Set Plus Adhesive white and grey are available in 10 kg and 20 kg bags.

Storage / shelf life:

The product should remain usable 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 FLOORS AND WALLS, INTERIOR AND EXTERIOR**



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