



Mapemastic Easy

Ready-to-use paste adhesive with no vertical slip and extended open time for the installation of ceramic tiles on interior walls and floors



CLASSIFICATION IN COMPLIANCE WITH ISO 13007

Mapemastic Easy is a slip resistant (T) normal (1) dispersion (D) adhesive with extended open time (T) as classified as D1TE.

WHERE TO USE

- For bonding most types of glazed and unglazed ceramic and porcelain tiles and mosaics on walls and floors.
- For the installation of tiles up to 150 x 150 mm on floors and up to 300 x 600 mm on walls.
- For the installation of tiles on walls in intermittent wet conditions such as tub and shower surrounds provided that one of the surfaces is absorbent.
- Concrete walls, either precast or cast on site (when properly prepared).
- Plasterboard and cement sheeting when installed as per the board manufacturers' instructions.
- For the use over **Mapegum WPS** or **Mapelastic AquaDefense**, providing the back of the tile is absorbent.

TECHNICAL CHARACTERISTICS

Mapemastic Easy is a ready-to-use, white paste adhesive that is made using special acrylic resins, graded mineral fillers and additives, prepared according to a formula developed in the MAPEI Research laboratory.

Mapemastic Easy is smooth and easy to trowel with non-slump characteristics that allow vertical tile installations without the need for spacers.

Mapemastic Easy has an excellent initial grab and bond strength with the additional benefit of an extended open time.

Mapemastic Easy is solvent-free resulting in a low VOC content.

RECOMMENDATIONS

Mapemastic Easy is not recommended for installing tiles where water is constantly present (swimming pools, ponds etc.) or over substrates subject to rising damp.

- Use only if the temperature is above +5°C and below +35°C. Avoid installations during very cold and wet weather
- DO NOT use on wet substrates or areas that are frequently subjected to water or rising damp.
- DO NOT install over magnesium board
- DO NOT install on wooden substrates that are dimensionally unstable
- DO NOT install on surfaces such as metal, rubber, PVC and linoleum
- DO NOT use for exterior applications, steam rooms, shower floors or areas subject to water immersion.



- DO NOT use to install natural stone. Instead contact MAPEI's technical department for product recommendations.
- DO NOT use to install bathroom fixtures or grab bars.
- DO NOT use to install non-absorbent tiles on to non-absorbent substrates.

APPLICATION PROCEDURE

Preparing the substrate

Mapemastic Easy can be applied on substrates that are sound and free from oil, grease, wax and loose materials.

Cementitious substrates must be dry (as a rule, one week of curing for every cm of thickness) and not subject to rising damp.

Mapemastic Easy can be used on gypsum or similar surfaces without primer as long as the gypsum is solid and dry.

Mapemastic Easy can be used for installing absorbent ceramic tiles on painted walls providing the paint is well fastened with a solid surface and is thoroughly clean.

Spreading the adhesive

Mapemastic Easy should be applied to the substrate using a suitable notched trowel. The choice of trowel depends on the level of the substrate, the size of the tile and the type of tile backing. The adhesive must transfer to at least 80% of the tile.

Please refer to the **Consumption** section to determine the correct trowel for your specific tile installation.

Mapemastic Easy is a ready-to-use paste where no mixing is required.

Using the trowel's flat edge, spread the adhesive onto the substrate. Apply additional material and comb the adhesive in one direction using the trowels notched edge to achieve an even setting bed.

Do not spread more adhesive than can be covered with tiles within 20 minutes. If skinning occurs, scrape off skin and replace with fresh adhesive. Do not use if temperature falls below +5°C.

Installing the tiles

It is not necessary to wet the tiles before installing, however when tiles are particularly dusty they can be dipped in water.

Place tiles firmly in position on the fresh adhesive. Push the tiles back and forth in a direction perpendicular to trowel ridges, in order to collapse the adhesive ridges and achieve maximum coverage. Ensure proper contact between the fresh adhesive, tile and substrate and periodically lift a few tiles to check for acceptable coverage.

Make all alignments and adjustments immediately (do not exceed 20 minutes).

Promptly use water to clean smudges from the face of the tiles while adhesive is still fresh. If

adhesive has dried, clean with mineral spirits.

Provide for expansion and control joints as reported in AS 3958.1.

Wash hands, surfaces and tools with water while the adhesive is still fresh. If adhesive has dried, use mineral spirits.

Please note that using a mastic such as **Mapemastic Easy** to install porcelain tiles or tiles in cool, moist conditions will extend the time required for a firm set.

GROUTING AND SEALING THE JOINTS

Joints can be grouted after 24 hours using a suitable MAPEI grout from the Keracolor, Ultracolor Plus or Kerapoxy range. Depending on product selection, Mapei can offer up to 30 different grout colours. Please refer to respective Product Technical Data Sheets for further information. All information available from our website www.mapei.com.au.

For sealing internal vertical/horizontal expansion joints, MAPEI recommend Mapesil AC sealant that can be colour matched to Mapei's grout range. Please refer to the product TDS for further information available from our website at www.mapei.com.au.

READY FOR USE

Surfaces are ready for use after approximately 7-14 days, depending on the substrate absorption, the temperature and the relative humidity.

Protect from impact, vibration and hammering on adjacent and opposite walls for at least 14 days after installation.

CONSUMPTION

- For general ceramic tiles: 4mm x 4mm square-notched trowel : 6.3 – 7.5m² per 20kg bucket.
- For large format tile or tile with protrusion on the surface: 7mm x 7mm square-notched trowel 5.4 – 6.3m² per 20kg bucket
- For ceramic tiles 200 x 200mm using 4mm x 4mm notched trowel 2.67 kg/m²
- For ceramic tiles 300 x 300mm using a 5mm x 5mm notched trowel 2.67 – 3.2 kg/m²
- For ceramic tiles 300 x 600mm using a 7mm x 7mm notched trowel 3.2 – 3.73 kg/m²

Actual coverage will vary according to substrate profile and tile type.

PACKAGING

Mapemastic Easy is available in 20kg plastic buckets.

STORAGE

24 months if stored in original sealed packaging.

Protect from frost and store away from sunlight and moisture.

TECHNICAL DATA (typical values)

In compliance with

– European EN 12004 as D1TE
– ISO 13007 as D1TE

PRODUCT IDENTITY

| | |
|-------------------------------|---------------------|
| Type: | thick paste |
| Colour: | white |
| Density (g/cm ³): | 1.6 |
| pH: | 7.7±1 |
| Dry solid content (%): | 72±2 |
| Brookfield viscosity (mPa·s): | 1100–1300 Pa·s/23°C |

TECHNICAL CHARACTERISTICS

| | |
|--------------------------------|---|
| Application temperature range: | +5°C to +35°C |
| Open time (EN 1346): | 30–40 minutes |
| Adjustment time: | 40–45 minutes |
| Waiting time before grouting: | 12 to 24 hours |
| Ready for use: | Approx. 7–14 days, depending on the absorbency of the substrate, ambient temperature and humidity |

TECHNICAL CHARACTERISTICS

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|--|---------------------|
| a) Adhesion according to EN 1324 (N/mm ²): – initial – after heat: | >1 >1 |
| b) European UEAtc directive (N/mm ²): – 28 days at +23°C – 50% R.H.: | 3.2 |
| Resistance to moisture: | excellent |
| Resistance to ageing: | fair |
| Resistance to acids and alkalis: | fair |
| Resistance to temperature: | from -20°C to +90°C |
| Deformability: | deformable |

Mapemastic Easy



SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapemastic Easy is not considered dangerous according to the current regulations regarding the classification of mixtures. It is recommended to use protective gloves and safety glasses 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 Safety Data Sheet available from our website at www.mapei.com.au.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application. For this reason anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data sheet available for download from our website at www.mapei.com.au.

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.au

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI

All relevant references for the product are available upon request and from www.mapei.com.au

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