



# Mapestik

## Ready mixed adhesive



## Hi grab ready-to-use paste adhesive for ceramic tiles

### CLASSIFICATION IN COMPLIANCE WITH BS EN 12004

**Mapestik** is a normal (1) dispersion (D) adhesive, slip resistant (T) of class D1T.

Conformity of **Mapestik** is declared in **ITT certificate no. 056502)-28015** issued by Ceram UK and classification reports **no. 2008-B-2748/19** and **2008-B-2748/23** issued by MPA Dresden.

### WHERE TO USE

Bonding of all types of ceramic and mosaic tiles on interior walls.

### Some application examples

Installation of ceramic and mosaic tiles over:

- gypsum plaster and gypsum block walls;
- gypsum backerboard;
- cement-based renders and cured reinforced concrete walls;
- tile backer boards.

### TECHNICAL CHARACTERISTICS

**Mapestik** is an adhesive in water dispersion based on synthetic resins, selectively graded minerals and various additives.

**Mapestik** is a ready-to-use creamy paste that is easily trowelled with good high initial grab and thixotropic properties for installing wall tiles without slippage.

When set, **Mapestik** has high bond strength and is sufficiently deformable for moderate vibration and deformation of building materials.

### RECOMMENDATIONS

- Use only for internal applications.
- Dispersion adhesives are not suitable for applications in continuous immersion in water (swimming pools, fountains, etc.).
- Either the tile or substrate must be absorbent.
- Contact Mapei Technical Department for recommendations for fixing to other substrate materials.
- Do not use **Mapestik** to install natural stone, especially light coloured calcareous stone (e.g. Carrara marble).
- Do not use **Mapestik** on metal substrates.

### APPLICATION PROCEDURE

#### Preparing the substrate

**Mapestik** can be applied on approved

substrates which are sound and stable and free of oil, grease, wax, cracks and loose materials.

### Applying the adhesive

**Mapestik** should be applied to the substrate with a notched trowel. The notch size must allow the adhesive to transfer to at least 65% of the tile back:

- for mosaic tiles up to 5x5 cm, use MAPEI no. 4 square-notched trowel;
- for normal size ceramic tiles, use MAPEI no. 5 notched trowel.

The open time of **Mapestik** is approx. 20 minutes in normal temperatures and humidity. The tiles must be set within that open time and the adhesive must be spread accordingly, no more than 1 to 2 m<sup>2</sup> at a time.

If a surface skin forms, the adhesive must be reapplied.

Do not use at temperatures below +5°C.

### Installing the tiles

Press firmly using a twist and slide motion when positioning the tiles to ensure transfer of the adhesive. Any adjustment of the tiles must be done within 30 minutes.

### Grouting

At normal temperatures the joints can be grouted 12 hours after setting the tiles. Large format or non absorbent tiles will take longer.

The joints can be grouted with **Keracolor FF** or **Keracolor GG**, depending on the joint width, or with **Ultracolor Plus** (see "The Coloured Grouts" colour chart).

If good resistance to chemical agents is required, use **Kerapoxy**, a two-component anti-resisting epoxy grout.

For sealing flexible expansion joints, use **Mapesil AC** single-component silicone sealant.

In all of the above cases the width of the joints must be planned according to the type of grout and deformability of the substrate.

### Cleaning

**Mapestik** can be cleaned from tile surfaces with a damp sponge while the adhesive is still wet. Tools and

hands can be easily cleaned with water while the adhesive is still wet. When the adhesive has hardened it can be removed with mineral spirits or proprietary hand cleaner.

### CONSUMPTION

#### Bonding of ceramic tiles

Mosaic tiles 1.5 kg/m<sup>2</sup>  
(n. 4 trowel)

Tiles 15x15 over  
normal renders 2.5 kg/m<sup>2</sup>  
(n. 5 trowel)

### PACKAGING

**Mapestik** is available in 15 and 22 kg buckets.

### STORAGE

12 months in original sealed packaging.

### SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION

**Mapestik** 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 our latest version of the Material Safety Data sheet.

PRODUCT FOR PROFESSIONAL USE.

### 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](http://www.mapei.com)**

**All relevant references  
for the product are available  
upon request and from  
[www.mapei.com](http://www.mapei.com)**

## TECHNICAL DATA (typical values)

In compliance with:

– European EN 12004 as D1T

### PRODUCT IDENTITY

**Consistence:** thick paste

**Colour:** light beige

**Density (g/cm<sup>3</sup>):** 1.65

**pH:** 8.9

**Dry solid content (%):** 71 ± 1

**Brookfield viscosity (mPa·s):** 1000 ± 50

### COMPOSITION AND PROPERTIES OF THE MIXTURE (at +23°C and 50% R.H.)

**Application temperature range:** from +5°C to +35°C

**Open time:** approx. 20 minutes

**Adjustability time:** approx. 30 minutes

**Grouting:** after 12 hours

**Fully cured:** approx. 7 days depending on the absorption of the substrate and temperature

### FINAL PERFORMANCES

**Shear adhesion strength according to EN 1324 (N/mm<sup>2</sup>):**

– initial shear adhesion strength:

> 1.0

– shear adhesion strength after ageing:

> 1.0

exceeds minimum requirements of BS EN 12004 Type D1TE

**Resistance to moisture:** good

**Resistance to ageing:** excellent

**Resistance to solvents and oils:** fair

**Resistance to acids and alkalis:** fair

**Flexibility:** limited

**Mapestik**  
Ready mixed adhesive



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