

# MAPEPAVE MORTAR

Pre-blended, ready to use mortar with normal setting and controlled shrinkage for fast-drying bedding



## CLASSIFICATION

- Paving mortar ideal for bedding 20mm porcelain
- BS 7533 compliant
- Rapid curing - open to pedestrian traffic 12 hours
- Just mix with water
- Thin application
- Low shrinkage
- Used in conjunction with **MapePave Slurry**

## APPLICATION PROCEDURE

### Preparation of the product

Mix a 25 kg bag of **MapePave Mortar** with 1.55-1.8 litres of water for at least 5 minutes in a cement mixer, automatic pressure pump or truck mixer until a homogeneous mix is obtained. Product can be mixed with a robust paddle mixer with care if required. The mix must be poured, compacted and floated within 40-60 minutes after mixing.

### CONSTRUCTION METHOD WHEN INSTALLING PORCELAIN PAVERS

Bases must be constructed with stability and not prone to settlement.

Tiles installed on concrete bases can be installed in accordance with BS5385 part 3.

If the mortar is to be used on a concrete surface for levelling purposes the mortar should be installed 10mm – 100mm and bonded to the concrete surface with the **Mapepave Slurry**. Once the substrate has been prepared sufficiently, and immediately before spreading on the **MapePave Mortar** mix, prepare bonding slurry **Mapepave Slurry** according to the Technical Data Sheet and packaging. Apply a continuous, even 2-3 mm layer using a large flat brush, a scrubbing brush or a trowel. To ensure adhesion, spread the slurry onto the surface to be covered immediately before the **MapePave Mortar** mix (fresh screed on fresh slurry).

A type 1 MOT type installation compacted by mechanical means at a minimum depth of 100mm with restraint should provide a suitable base for the **MapePave Mortar** when used in no vehicle trafficked locations.

The mortar should be applied at a thickness no less than 25mm on a compacted type 1 MOT.

Spread the **MapePave Mortar** mix just like any other cement-based screed mix: use screed guides, then spread the mix and tamp thoroughly before floating to obtain a better surface finish.

To get perfect adhesion between the Porcelain Paver and the **MapePave Mortar**, spread the **MapePave Slurry** while the **MapePave Mortar** is still fresh (fresh on fresh technique).

Ensure surface is protected from rain or wash out until fully cured.

Grouting can be carried out after 12 hours.

Do not install in temperatures lower than +5°C.

## SET TO LIGHT FOOT TRAFFIC

Floors are ready for foot traffic after approx. 12 hours.

## READY FOR USE

The surfaces may be put into service after approx. 4 days.

## CONSUMPTION

15 kg/m<sup>2</sup> per cm of thickness.

## PACKAGING

MapePave Mortar is available in 25kg bags.

## STORAGE

MapePave Mortar may be stored for up to 12 months in its original packaging in a dry place.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

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](http://www.mapei.co.uk).

PRODUCT FOR PROFESSIONAL USE.

| TECHNICAL DATA (typical values)          |                               |
|--|-------------------------------|
| PRODUCT IDENTITY                         |                               |
| Consistency:                             | powder                        |
| Colour:                                  | grey                          |
| Bulk density (kg/m <sup>3</sup> ):       | 1,500                         |
| APPLICATION DATA (at +23°C - 50% R.H.)   |                               |
| Mix ratio:                               | 1.55 - 1.8 Litres of water    |
| Density of the mix (kg/m <sup>3</sup> ): | 2,100 depending on compaction |
| Mixing time:                             | 5 to 10 mins                  |
| Workability of the mix:                  | 60 mins                       |
| Application temperature range:           | from +5°C to +35°C            |
| Set to light foot traffic:               | after 12 hours                |
| FINAL PERFORMANCE                        |                               |

|                                  |                     |
|----------------------------------|---------------------|
| Resistance to moisture:          | excellent           |
| Resistance to ageing:            | excellent           |
| Resistance to solvents and oils: | excellent           |
| Resistance to acids and alkalis: | poor                |
| Resistance to temperature:       | from -30°C to +90°C |
| Flexibility:                     | no                  |

| Compressive and flexural strength, and resistance to residual moisture | Compressive strength (N/mm <sup>2</sup> ) | Flexural strength (N/mm <sup>2</sup> ) | Residual moisture (%) |
|--|---|--|-----------------------|
| – after 28 days:   | > 25                                      | > 6                                    | –                     |

## 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 from our website [www.mapei.co.uk](http://www.mapei.co.uk)

## 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.co.uk](http://www.mapei.co.uk).

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

### Mapei U.K. Ltd

Mapei House Steel Park Road - Halesowen, West Midlands, B62 8HD



+44-121-5086970



[www.technical-uk@mapei.co.uk](mailto:www.technical-uk@mapei.co.uk)



[info@mapei.co.uk](mailto:info@mapei.co.uk)

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