

# MAPEPAVE BRUSH IN GROUT

one-component ready-to-use polybutadiene-based drainage mortar for grouting paved floors with joints at least 5 mm wide



## WHERE TO USE

Grouting all types of external paved floors (porcelain slabs, cement-based composites, porphyry slabs and blocks, etc.) subject to light traffic (vehicles up to 3.5 tonnes).

### Some application examples

**Mapepave Brush in Grout** can be used to create a drainage grouting mortar for use on paved surfaces subject to low intensity stresses, such as:

- steps, pavements and terraces laid directly on the ground for domestic use.
- courtyards and pedestrian entrances, including vehicle entrances, subject to light traffic (vehicles up to 3.5 tonnes).
- residential drives and pavements subject to pedestrian traffic.

**Mapepave Brush In Grout** forms a very strong bond with the edges of the slabs and hardens quickly, to develop excellent drainage properties. The characteristics of **Mapepave Brush in Grout** make the grouted joints particularly resistant to high pressure hydro-cleaning and de-icing salts. Thanks to its permeability, rainwater penetrates quickly into the substrate without leaving puddles on the surface.

**Mapepave Brush In Grout** is resistant to freeze/thaw cycles and adverse weather conditions making it suitable for external applications, thanks to its special properties, joints filled using **Mapepave Brush in Grout** are resistant to the formation of weeds, moss and washout, making maintenance easier and more cost effective compared with conventional grout.

## TECHNICAL CHARACTERISTICS

**Mapepave Brush In Grout** is a one-component, ready-to-use, air drying sand and polybutadiene-based mortar with special admixtures.

## RECOMMENDATIONS

- Do not lay the product if it is about to rain or if it will be continuously exposed to sunlight, unless some form of protection is employed.
- Do not apply the product if the temperature is lower than +5°C or higher than +30°C
- Do not use **Mapepave Brush in Grout**, to grout special paved drainage floors, the product may reduce the permeability of the slabs.
- Do not mix **Mapepave Brush in Grout** with solvents or with other products.
- After applying the mortar, stains may appear on the surface of the slabs or their colour may be altered, however these effects will be worn away with the use and due to the action of adverse weather conditions.

## APPLICATION PROCEDURE

### Preparation of the substrate

The substrate on which the floor is to be laid must be of the drainage type, and suitable to withstand the loads foreseen. The substrate must be solid enough to ensure that permanent loads or pools of water do not cause it to be subside. The floor must be laid according to careful laying techniques, so that the tile joints are not damaged once they have been completed. Pre-wet the surface and keep it moist during the install. Surfaces with high levels of porosity or are warm will require more water or in certain applications require constant wetting, to prevent the product from setting on the surface too quickly.

### Preparation for the joints

The joints must be carefully cleaned and raked out before grouting. They must be at least 5mm wide and 20mm deep. If the joints are wider than 15mm, they must be at least twice as deep, otherwise the **Mapepave Brush in Grout** mix may not penetrate down through the entire thickness and leave voids. After freeze-thaw cycles, water which remains in these voids may cause fracture of the joints. If the product is used to repair the grout of an old slab, the joints must be emptied beforehand, and the surfaces and edges must be carefully cleaned.

### Applying the product

**Mapepave Brush In Grout** is ready-to-use. After opening the package, remove the protective film and pour the mix on the surface to be grouted. Apply **Mapepave Brush in Grout** on the surface of the slabs and in the joints using a broom or rubber squeegee, making sure that the joints are completely filled. If the applied paving has been fully bonded and is not of a drainage construction, the joints should be compacted using a mortar pointing tool until the joint is filled to the required level (water can be applied during this process to aid in the application of the **Mapepave Brush in Grout**). If the joints are narrow, the grout may fall out and will have to be applied again. Within 25 minutes of applying **Mapepave Brush in Grout**, clean any product residue from the surface of the slabs with a broom. The applied product should finished just below the top of the applied paving. Protect the joints from rain and dust for at least 24 hours after grouting. After 7 days, and in all cases once the product has hardened, clean the grouted surface with high pressure water jets.

## SET TO LIGHT FOOT TRAFFIC

The grouted surface may be stepped on after 24 hours (at +23°C and 50% relative humidity). These times may vary according to the ambient temperature.

## READY FOR USE

The surfaces may be put into full service after 7 days (at +23°C and 50% relative humidity).

## CLEANING

Tools and containers may be cleaned while the product is still fresh using plenty of water. Once **Mapepave Brush in Grout** has set, it may only be cleaned mechanically.

## FINISHED COLOUR

While every effort is made to produce consistency between batches, due to the natural filler within the product, colour and shade variations are possible. To obtain the best results use tubs all from the same batch if more than one tub is required to complete an area.

## CONSUMPTION

The consumption depends on the width of the joints and the size of the slabs eg. where 600 x 600 x 20mm slabs are installed with a 5mm joint a 15kg drum of this product will cover approximately 25m<sup>2</sup>.

## PACKAGING

Mapepave Brush in Grout is supplied in vacuum-packed 15kg drums.

## STORAGE

Mapepave Brush in Grout remains stable for at least 24 months if stored in its original sealed packaging.

## 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:	loose granular mortar
Colour:	Neutral, Light Grey, Grey & Basalt
Density (g/cm <sup>3</sup> ):	1.6
Storage:	24 months in its original closed containers

### APPLICATION DATA (at +23°C - 50% R.H.)

Application time:	Approx. 25 minutes
Recommended application temperature range:	from +5°C to +30°C
Set to light foot traffic:	24 hours
Ready for use:	7 days

### FINAL PERFORMANCE FIGURES

Compressive strength:	7.1N/mm <sup>2</sup> , DIN 18555 part 3
Bending tensile strength:	3.4N/mm <sup>2</sup> , DIN 18555 part 3
Static elasticity module:	820 N/mm <sup>2</sup> , DIN 18555 part 4
Hard mortar raw density:	1.54kg/dm <sup>3</sup> , DIN 18555 part 3
Water permeability:	$7.5 \times 10^{-4} = 2.3 \text{ l/min/m}^2$ for a joint fraction of 10%

## 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)**

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