

# BOTAMENT® Garden PF 2K

## Pavement Joint Mortar

BOTAMENT® Garden PF 2K is a two-component pavement joint mortar, pervious to water, for new grouting and renovation of drainable outside areas with bonded coverings suitable for pedestrians as well as slight up to medium traffic load.

### Properties

- ❖ Pervious to water
- ❖ Prevents weed growth in the joint
- ❖ Self-compacting slurry application
- ❖ High resistance to weather conditions and frost
- ❖ Suitable for areas with passenger car traffic

### Application Areas

Grouting of

- ❖ natural stone pavement
- ❖ pavement of concrete stone slabs
- ❖ clinker bricks and slabs

### Substrate preparation

The substructure must be:

- ❖ stable
- ❖ pervious to water
- ❖ frost-proof

For trafficable areas the installation of a bonded, drainable bedding layer made of a suitable material such as BOTAMENT® Garden DM Trass-cement-bound Drainage Mortar is necessary.

The pavement and the joint must be in the following condition:

- ❖ free of dirt
- ❖ joint width  $\geq 5$  mm
- ❖ joint depth  $\geq 30$  mm (for small paving stones  $\geq 25$  mm)
- ❖ pre-wetted sufficiently (avoid standing moisture in the joints)

Adjacent areas have to be masked before carefully. The pavement areas must be installed professionally so that the slackening of the structure due to later loadings can be excluded.

### Technical data

material basis	two-component epoxy resin system
colours	sand stone grey basalt
packaging	25 kg- PE bucket with added hardener (plastic bottle)
storage	frost-free ( $\geq + 8$ °C) and dry at least 6 months in its original sealed container
density	$\sim 1.4$ kg/ dm <sup>3</sup>
grain size	0.3- 1.5 mm
mixing ratio (water/joint mortar)	$\sim 2.5$ l water/ 25 kg- PE bucket
working time	$\sim 15$ - 20 minutes
walkable	after $\sim 24$ hours
fully loadable	after $\sim 7$ days
application and substrate temperature	+ 8 °C bis + 25 °C
compressive strength after 7 days	$\geq 8.0$ N/ mm <sup>2</sup>
compressive strength after 28 days	$\geq 10.0$ N/ mm <sup>2</sup>
<b>cleaning agent</b>	
when fresh	water
when fully cured	mechanical

All times stated refer to an air temperature of + 20 °C and 60 % relative humidity.

Higher temperatures and lower humidity accelerate, while lower temperatures and higher humidity delay processing time and curing.

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### Application

- ❖ shake the hardener bottle, add the mortar and mix both components with a slow rotating agitator for at least 2 minutes
- ❖ afterwards add ~10 % water (~ 2.5 l water/ 25 kg- PE bucket) and mix again for at least 1 minute
- ❖ pour the ready-mixed BOTAMENT® Garden PF 2K onto the pre-wetted pavement
- ❖ fit the joint mortar into the joints with a rubber squeegee
- ❖ remove excess material after ~10- 20 minutes diagonally across the joints with a medium hard broom

The fresh joint mortar must be protected from rain water for a period of 24 hours. Where a protective sheet is used sufficient ventilation must be ensured.

### Consumption

<b>slab coverings</b>	
200 x 200 mm	~ 2.1 kg/ m <sup>2</sup>
300 x 300 mm	~ 1.7 kg/ m <sup>2</sup>
600 x 400 mm	~ 1.1 kg/ m <sup>2</sup>
<b>large paving stones</b>	
160 x 160 mm	~ 2.9 kg/ m <sup>2</sup>
160 x 180 mm	~ 2.7 kg/ m <sup>2</sup>
180 x 180 mm	~ 2.5 kg/ m <sup>2</sup>
<b>large paving stones</b>	
100 x 80 mm	~ 4.5 kg/ m <sup>2</sup>
100 x 100 mm	~ 4.1 kg/ m <sup>2</sup>
120 x 100 mm	~ 3.7 kg/ m <sup>2</sup>
<b>mosaic pavement</b>	
40 x 40 mm	~ 9.1 kg/ m <sup>2</sup>
50 x 50 mm	~ 7.6 kg/ m <sup>2</sup>
60 x 60 mm	~ 6.5 kg/ m <sup>2</sup>

The listed average consumption values refer to pavement areas showing a joint depth of 30 mm and a joint width of 5 mm.

For the determination of further values please use our grout consumption calculator at [www.botament.com](http://www.botament.com).

### Important Tips

When using pavement joint mortars based on epoxy resins like BOTAMENT® Garden PF 2K a thin, colour shading binding agent film remains on the pavement surface. However this film disappears, due to weather conditions and mechanical stress.

Pavement areas made of materials which are rough, porous or sensitive against discolouration should be pre-treated with a suitable, water-based impregnation.

Substructures which are impervious to water lead to dammed-up water and to damages caused by frost exposure.

When using BOTAMENT® Garden PF 2K in pavements with unbonded bedding (loose substructure) the joint mortar can rupture from the shoulders of the covering as well as the pavement can show settlements due to functional loads.

People with sensitive skin may experience allergic skin reactions when processing reaction resin materials. To avoid any contact with the skin suitable protective clothing must be worn during application.

During the processing of BOTAMENT® Garden PF 2K the site must be well aerated and ventilated.

You can view or download the safety datasheet at [www.botament.com](http://www.botament.com).

To achieve optimal results we recommend conducting a site-specific test sample prior to using.

BOTAMENT® Garden PF 2K must not be mixed with any additives or aggregates.

**Important Notice:** The information provided here is based on our experience and is given to the best of our knowledge, but is non-binding. All instructions must be adapted to suit the individual building projects, the application purpose and the specific local conditions. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In any case, the generally accepted technical rules must be adhered to. Edition GB-1507. Further technical details can be found in our technical data sheets on our website: [www.botament.com](http://www.botament.com).  
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