



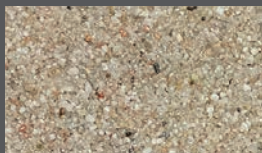
## PRO The versatile 2-component paving joint mortar

A-JOINT® PRO is a water-permeable, frost and de-icing salt resistant paving joint mortar, which is particularly suitable for narrow and extra wide joints due to its self-compacting properties and high flowability.

A-JOINT® PRO prevents weed growth in the joints and is designed for a traffic load of up to 12 tonnes. It can be used for almost all natural stone and concrete block coverings in new buildings and renovations.

A-JOINT® PRO minimises maintenance work and the risk of accidents while beautifying urban parks, pedestrian zones and public squares as well as private terraces, walkways and traffic routes, pool and pond surrounds.

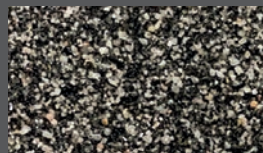
### Colours:



neutral



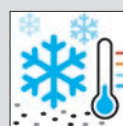
stone grey



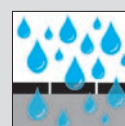
basalt

### Properties:

- Sustainable, self-compacting and fast jointing solution for professionals
- Weed-free and abrasion-resistant
- For joint widths from 3 mm
- For joint depths from 25 mm
- Can be applied in drizzle and at ground temperatures from 0°C
- Fast traffic release up to use category N3



Frost and de-icing salt resistant



Water-permeable



Traffic load up to 12 t



Resistant to high-pressure cleaners and sweeping machines

## Processing instructions

### Prepare:

The joints must be cleaned of weeds, roots and loose parts without leaving any residue and cleared to a depth of at least 25 mm (2/3 of the stone height for traffic load). The surface to be grouted must be free from all dirt. Adjacent areas that are not to be grouted should be masked or covered. To avoid settling and loose stones, we recommend a permanent water-permeable and load-bearing substrate corresponding to the subsequent load (pay attention to the current standards and guidelines). We generally recommend the bonded construction method.

### Pre-wetting:

Pre-wet the entire surface extensively. Higher soil temperatures and absorbent, open-pored rock require more intensive pre-wetting. Generally, use clean and cold water.

### Mixing bucket:

Open the bucket. Pour the bottle inside completely to the sand component. Fill the emptied bottle to  $\frac{1}{4} = 0.25$  litres of water and close it, shake vigorously and add to the mixture. Make sure the bottle is completely empty. Use a professional stirring or mixing device. Start mixing process and mix thoroughly for at least 6 minutes until a creamy, flowing mass is obtained. No further addition of water is necessary.

### Mixing bags:

Open the bag and pour the sand into a suitable mixing container. Add the contents of the separately supplied bottle containers completely. Fill the emptied bottles with 0.5 litres of water each and cap them, shake vigorously and add to the mixture. Make sure that the bottles are completely empty. Use a professional stirring or mixing device. Start the mixing process. After 3 minutes mixing time, add another 2.5 litres of water and mix thoroughly for another 3 minutes until a creamy, flowing mass is obtained.

### Filling the joints:

Pour the finished mixture onto the well pre-wetted surface. Work in the jointing compound carefully and as diagonally as possible to the joint using a rubber squeegee. To make the most of the flowability, it is recommended to divide this mixture into two to three portions. Mix the remaining joint compound again briefly. Keep the surface constantly wet during this work.

### Cleaning the surface:

After approx. 10-20 minutes, sweep the stone surface carefully and diagonally to the joint with a medium-coarse street broom. If white gel-like streaks form on the stone surface, the correct sweeping time has not yet been reached. Then remove the remaining mortar residues with a fine coconut broom. Material that has been swept off should no longer be used. Be aware that chamfers (beveling of the side edges) on slabs and pavers must be exposed.

### After-treatment:

Protect the freshly grouted surface from rain for 12-24 hours. We recommend using construction foil or tarpaulins as rain protection. To allow sufficient air to circulate, the rain protection must not be placed directly on the surface. At temperatures around 20°C, the surface can be walked on after 24 hours and driven on after 3 days. A strength test is recommended before use. Cleaning work (high-pressure cleaner max. 120 bar, min. 20 cm distance) may be carried out after 7 days at the earliest.

**Resin film:** After grouting with A-JOINT® PRO, a thin resin film remains on the stone surface, which intensifies the stone colour and protects the stone from dirt. This resin film usually disappears over time due to weathering and use of the surface. If in doubt, create a small test area. The synthetic resin film is not a design defect, as neither the quality nor the functionality of the joint is affected.

**Application notes:** Use A-JOINT® PRO only with a stable, load-bearing and permanently water-permeable substructure or a slope of at least 2%. The application is only recommended in well ventilated areas. Please wear adequate protective clothing. Tools should be cleaned with water during and after application.

**Regularly remove dirt, leaves and moss from the joint surface.**

All fillers are natural products and are subject to natural colour variations. Our information is based on years of experience and the current state of the art, but is non-binding and does not constitute a contractual legal relationship.

### Technical data:

|                                 |                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------|
| System:                         | 2-component epoxy resin mortar                                                                                |
| Working time at 20°C:           | approx. 20-30 minutes                                                                                         |
| Working temperature:            | > 0°C, max. 25°C                                                                                              |
| Release of the surface at 20°C: | after 24 hours walkable, after 3 days trafficable                                                             |
| Delivery form:                  | 25 kg PCR bucket and 27.5 kg bagged product                                                                   |
| Shelf life:                     | 12 months in the original sealed product packaging, dry and frost-free                                        |
| Compressive strength:           | 27,4 N/mm <sup>2</sup> laboratory value, construction site value 21,2 N/mm <sup>2</sup>                       |
| Flexural strength:              | 13,1 N/mm <sup>2</sup> laboratory value, construction site value 8,1 N/mm <sup>2</sup>                        |
| Static modulus of elasticity:   | 8000 N/mm <sup>2</sup>                                                                                        |
| Solid mortar density:           | 1,68 kg/dm <sup>3</sup>                                                                                       |
| Water permeability:             | 7,5 x 10 <sup>-4</sup> m/s (with 10% joint content approx. 2,3 l/m <sup>2</sup> /min depending on compaction) |

### Consumption table kg/m<sup>2</sup> – Calculation basis 25 mm joint depth

| Stone size        | 9 x 11 cm | 20 x 10 cm | 40 x 40 cm | 60 x 40 cm | 90 x 60 cm | Polygonal      |
|-------------------|-----------|------------|------------|------------|------------|----------------|
| Joint width 3 mm  | 2,1 kg    | 1,6 kg     | 0,5 kg     | 0,4 kg     | 0,3 kg     | approx. 4-6 kg |
| Joint width 10 mm | 6,1 kg    | 4,8 kg     | 1,8 kg     | 1,5 kg     | 1,0 kg     |                |

All consumption values are approximate values that were calculated based on experience. Actual consumption may vary due to processing and surface conditions. Consumption calculator at: [www.a-joint.de](http://www.a-joint.de)



Pre-wetting



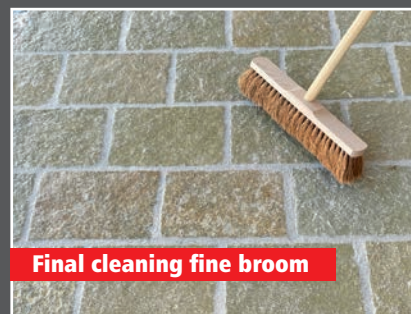
Mixing



Filling the joints



Cleaning medium-coarse broom



Final cleaning fine broom

Videos on:  YouTube

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