



PRO

The versatile joint mortar for tiles and pavers



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 to withstand traffic loads of up to 12 tonnes. It can be used for almost all natural stone and concrete surfaces in both new constructions and renovation projects.

A-JOINT® PRO reduces maintenance work and accident risks while enhancing the appearance of urban parks, pedestrian zones and public squares as well as private terraces, walkways and traffic routes, and the edges of pools and ponds.

APPLICATIONS

Suitable for almost all natural stone and concrete pavings
Suitable for paving with **medium loads**:

- ✦ Roads
- ✦ Public squares
- ✦ Footpaths
- ✦ Swimming pool and pond areas

COLOURS



ADVANTAGES



Water-permeable



Resistant to frost and de-icing salt



Weed-repellent



Can be used on natural stone and concrete pavings



Suitable for medium loads



Ideal for narrow and very wide joints thanks to high flowability and self-compacting properties

➤ Preparation:

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 freed from all dirt. Adjacent areas that are not to be grouted should be taped off or covered. To avoid settling and loose stones, we recommend a permanently 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.

1 / Pre-wetting:

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

2 / Mixing:

Open the bucket. Pour the entire contents of the inner bottle onto the sand component. Fill the emptied bottle to $\frac{3}{4}$ = 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 the mixing process and mix thoroughly for at least 6 minutes until a creamy, flowing mass is obtained. No further addition of water is necessary.

3 / Filling the joints:

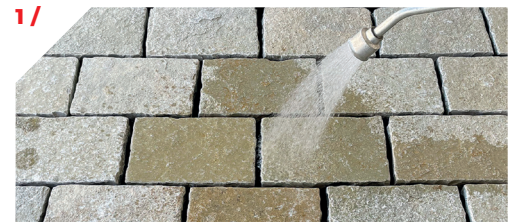
Pour the finished mixture onto the well pre-wetted surface. Work the jointing compound carefully and as diagonally as possible into the joints using a rubber squeegee. To make the most of the flowability, it is recommended to divide this mixture into two to three portions. Mix the remaining joint compound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

4 / 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 (bevvelling of the side edges) on slabs and pavers must be exposed.

➤ Aftercare:

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.



TECHNICAL DATA

SYSTEM	2-component epoxy resin mortar
JOINT WIDTH	From 3 mm
JOINT DEPTH	From 25 mm
LOAD	Medium traffic load up to 12 tonnes
WORKING TIME AT 20°C	Approx. 20-30 minutes
APPLICATION TEMPERATURE	> 0°C and < 30°C
LOAD-BEARING CAPACITY AT 20°C	Walkable after 24 hours, drivable after 3 days
PACKAGING	25 kg PCR bucket + 27.5 kg kit
SHELF LIFE	12 months in original, closed packaging. Store dry and frost-free, protect from sunlight.
COMPRESSIVE STRENGTH	27.4 N/mm ² (lab value), 21.2 N/mm ² (on-site)
FLEXURAL STRENGTH	13.1 N/mm ² (lab value), 8.1 N/mm ² (on-site)
STATIC MODULUS OF ELASTICITY	8000 N/mm ²
DENSITY OF CURED MORTAR	1.68 kg/dm ³
WATER PERMEABILITY	7.5 × 10 ⁻⁴ m/s (with 10% joint volume approx. 2.3 l/min/m ² , depending on compaction)

CONSUMPTION TABLE KG/M² // BASED ON A JOINT DEPTH OF 25 MM

STONE SIZE	9 x 11 cm	20 x 10 cm	40 x 40 cm	60 x 60 cm	90 x 60 cm	Polygonal / Natural Stone
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 5 mm	6.1 kg	4.8 kg	1.8 kg	1.5 kg	1.0 kg	

All consumption values are approximate and based on practical experience. Actual usage may vary depending on application method and surface characteristics.

IMPORTANT

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.