

ESP

Sweeping sand

1-component, ready-to-use special joint sand

- stable and firm joint filling
- for joint widths ≥ 2 mm and < 4 mm
- water-permeable



APPLICATIONS

- for repointing and repairing natural, concrete and clinker pavements
- for paving stones made of concrete and natural stone and clinker pavements
- for paved areas with traffic in unbound construction method
- for surfaces with normal traffic load

PROPERTIES

- ready for use
- permeable to water
- open-pored
- especially suitable for narrow joints
- can withstand vehicle loads
- minimises weed growth in the joint

COLOURS

- sand, stone grey, basalt

COMPOSITION

- polymeric binders
- mineral aggregates

SUBSTRATE

Suitable substrates	<ul style="list-style-type: none"> ■ Stable, load-bearing, permanently water-permeable substrate in accordance with the known standards and guidelines.
Properties/tests	<ul style="list-style-type: none"> ■ The paving and its subbase must be constructed in such a way as to prevent any loosening of the joints under subsequent loading. ■ The relevant regulations and instruction sheets for the construction of paving must be observed. ■ The minimum joint width required for grouting the product is 2 mm. ■ The required minimum joint depth is 40 mm. ■ The entire construction must be water permeable, so that penetrating water can drain away. ■ Dimensions differing from these details are to be agreed with our application technology department. ■ The sides of the paving units must be free of any impurities.
Pretreatment	<ul style="list-style-type: none"> ■ The required joint depth should be created by blowing or scoring out the joint. The paving surface should then be cleaned dry. ■ The stone surface and the joint edges must be completely dry, as moisture activates the binder in the product, which can lead to staining on the stone surface. If necessary, dry residual moisture with a gas burner or similar.

PROCESSING

Temperature	<ul style="list-style-type: none"> ■ Do not use or allow to dry in air, material or substrate temperatures of less than +8°C, in the case of expected night time frost or at temperatures of over +30°C, in direct sunlight, extremely heated substrates and/or in strong wind. ■ Frost-free period after installation at least 2 days.
Mixing / Preparation / Processing	<ul style="list-style-type: none"> ■ The product is ready for use.
Processing	<ul style="list-style-type: none"> ■ Sweep in: Pour the jointing sand onto the dry stone surface and sweep in until the joint is completely filled. Fill up to a maximum of 3 mm below the top edge of the stone or chamfer. Sweep the paved surface carefully with a fine hair broom until no sand remains on the stone surface. Be sure to expose the chamfers of the pavement elements. Newly constructed paved surfaces must be compacted with the required compaction energy before jointing work. ■ Vibrating the grouted surface: Use a small vibrating plate (with a protective mat, depending on the paving) to compact the jointing material evenly in the joints. Carry out this step very carefully to produce a stable and durable jointing. Bagged joints are filled with tubag ESP. If deeper joints have been created by the first compaction, the filled polymer joint material should be compacted a second time. Self-check: Check the compaction in several places by finger pressure or with a spatula. ■ Activate binder: Spray the surface in small sections, starting at the deepest point, evenly and generously with a soft water jet (adjustable nozzle) of clean water. Repeat the process approx. 4-5 times (more often depending on the joint width) until the joint material is saturated with water over the entire filling depth. Do not rinse the joint material out of the joint and avoid foaming the binder by spraying water too hard or too close. Do not allow the surface to dry during watering. If present, rinse material residues from the stone surface into the joint. Do not flood the surface and avoid puddling, remove standing water with a sponge rubber squeegee or leaf blower. Test: Lift the joint material in several places, e.g. with a spatula or screwdriver, and check for complete moisture penetration.
Processing / Working time	<ul style="list-style-type: none"> ■ After activation of the binder approx. 30 minutes (at +20°C and 65% relative humidity). ■ The processing time will be extended at low temperatures and/or high air humidity and shortened at high temperatures and/or low air humidity.

PROCESSING

- Drying / Hardening**
- The following points refer to a temperature of +20°C and 65% relative humidity. High temperatures shorten, low temperatures extend the curing and rain protection time.
 - The jointing sand must dry completely to set optimally. Therefore, application in dry, sunny weather is recommended.
 - In dry weather, do not cover the pavement so that the joint can dry through.
 - Protect the surface from rain for 3 hours. In case of hail and heavy rain, the grouted surface must be covered. Extend the rain protection at low temperatures.
 - Protect the freshly grouted paving surface from frost for a period of 24 hours after application. Heavy rainwater can lead to the joint being washed out when it is fresh. The paving surface should therefore be covered with a film if necessary. If a protective film is used, ensure that there is sufficient ventilation. Do not place the foil directly on the paving.
 - The paved surface can be walked on after approx. 3 hours and can be fully loaded after approx. 3 days.

- Cleaning the tools**
- Clean all tools and equipment with water immediately after use.

- Notes**
- **Not suitable for slabbed surfaces!**
 - Optically related areas must be prepared with material from the same production batch to prevent colour differences.
 - In the case of several working sections, interlock the bedding layer and joint filling by at least 1 m so that the joint filling does not end directly above the end of the last bedding section.
 - Do not use in "permanent wet areas" (e.g. swimming pools, fountains, ponds, drainage channels, etc.), as the joint sand will slowly dissolve under constant water load or standing water.
 - Use only with water-permeable superstructure (bedding and base layer) or with a slope of at least 2 %.
 - Leaking joints should be avoided.
 - Over time, some discolouration could take place due to the effects of dirt and weathering.
 - The statements are based on extensive tests and practical experience. However, they are not transferable to every case.
 - **To assess the optimum appearance, we recommend creating a sample surface with the respective covering element..**

PACKAGING

- 25 kg/bucket

STORAGE

- Store in the original, unopened packaging in dry, frost-free conditions.
- We recommend using up the product within 24 months of the date of manufacture.
- For date of manufacture, see separate sticker.

QUANTITY REQUIRED / YIELD

- Consumption:
 - approx. 1.5 – 1.7 kg per litre of joint space
 - approx. 3 – 4 kg/m² for concrete block paving (40 mm joint depth)

TECHNICAL DATA

Grain	0,2 – 1,0 mm
Fresh raw density	approx. 1.6 kg/dm ³
Joint width	2 – 4 mm
Joint depth	≥ 40 mm
Processing temperature	+8°C to +30°C
Processing time	approx. 30 minutes
Walkability	after approx. 3 hours
Trafficability	after approx. 3 days

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

SAFETY AND DISPOSAL INSTRUCTIONS

Safety	■ Follow further instructions in the safety data sheet.
Disposal	■ Completely empty and recycle the packaging. ■ Cured material residues can be disposed of according to EAK code no. 17 01 01 (concrete).

GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.