vdw VarioSand

Innovative jointing solution for unbound construction

Where jointing mortar can no longer be used, the field of application of **vdw VarioSand** begins.
The cohesive jointing sand inhibits weed growth and is ideally suited to driveways and footpaths.

- Ideal for concrete block and clinker paving with narrow joints.
- Special jointing sand of the latest generation.
- Low-dust application.
- Suitable for paved areas in private and public spaces with normal traffic loads.



width ≥ 2 – 4 mm

- natural



- basalt grey













Further properties

• Stable joint filling	➡ Prevents the joints from sanding out
• Solid joint filling	➡ Can be used on trafficked areas in unbound-laid paving
• Special hybrid binders	➡ low-dust application
• fine sand structure	➡ for narrow joints from 2 – 4 mm
• weed-inhibiting	➡ clean paved surfaces
• permeable to water	➡ suitable for paved areas in private and public spaces
• ready to use	➡ no mixing required

GftK

Quality for Professionals

Important Notes

As a general rule: permanent wetness in the joint can damage the product. vdw VarioSand is also not resistant to high-pressure cleaners or mechanical sweepers!

If the water contained in the jointing sand evaporates only slowly during the setting phase because of the weather, or if the temperature drops below the dew point at night, the jointing sand cannot dry out and therefore cannot set properly. In this case the cordon-off and rain protection times must be extended accordingly.

On existing surfaces, weathering, use and cleaning may have roughened the stone surface, so that removing the jointing sand without residues may not be possible. Even with correct application, a haze can remain here. The same applies to new installations with open-pored concrete blocks or clinker paving. In these cases we recommend pre-treatment with **vdw 950 StoneProtect plus 3in1**.

Technical Data

Composition:
Aggregates to DIN EN 13139

Binder:	Special polymers, additives, cement
Joint width:	continuously min. 2 mm, max. 4 mm
Joint depth:	min. 40 mm, full paver height on trafficked areas
Packaging:	25 kg bag, pallet of 40 – 1000 kg

Material data

Density:	approx. 1.5 – 1.7 kg / litre when compacted
Water permeability:	permeable to water
Storage life:	24 months when stored dry and frost-free

Ecology

Disposal:	as construction rubble
Waste code:	AVV 1701

Consumption

Per litre of joint volume:	approx. 1.5 - 1.7 kg vdw VarioSand
Guide values	Concrete paving: approx. 3-4 kg / m², 40 mm joint depth

This product is not suitable for slab paving! (> 30 cm edge length)

An online calculator for the material requirement can be found at
www.gftk-info.de/Verbrauchsrechner

Application

Further information can be found in this application video



Sweep in vdw VarioSand and sweep off the surface



Vibrate in the material.



Then top up with sand and vibrate again. Sweep off residue-free and expose chamfers if necessary



Water the surface sufficiently. Observe the curing instructions!

Requirements:
A stable, load-bearing, permanently water permeable substrate. Joint depth ≥ 40 mm, full paver height on areas with vehicle traffic, joint width continuously min. 2 mm – max. 4 mm, outside and surface temperature min. 8 °C, max. 30 °C, frost-free period after installation min. 2 days!

Test area:
On concrete block paving, contact between **vdw VarioSand** and the stone surface may cause visual changes such as haze or discolouration. We generally recommend applying a test area.

Tools & equipment:
- Coconut fibre brush
- Rubber squeegee
- Simplex hammer / large rubber mallet – e.g. for edge zones that cannot be vibrated
- Water hose with an adjustable nozzle, sponge or sponge float if required
- new surfaces only: “large” vibrating plate, with a protective mat depending on the paving, otherwise “small” vibrating plate – approx. 60 – 80 kg for compacting the joint material, with a protective mat depending on the material

Preparation:
Clean the paved surface free of residues and dry it. The stone surface and the joint flanks must be completely dry, because moisture activates the binder in the product, which can lead to soiling of the stone surface. If necessary, dry off residual moisture with a gas burner or similar.

Installation:
Brush the material in dry until the joints are completely filled. Sweep the area off and compact it thoroughly with a small vibrating plate (60–80 kg) fitted with a protective mat, with a roller compactor or, on small areas, with a rubber mallet. Carry out this step very carefully to produce a stable and durable joint. Repeat until the required filling height is reached. **Check the compaction: press with a finger, the material must no longer give way.**
Fill the joints to max. 2 mm below the top edge of the paver. Then sweep the stone surface completely clean with a soft, clean and dry brush. The chamfers of the pavers must be fully exposed in doing so. A leaf blower is ideal for careful, easy cleaning and for exposing the chamfers.

Activating the binder:
Spray the area evenly and generously in small sections, starting at the lowest point, with a soft jet of clean water (adjustable nozzle). Repeat the operation approx. 4-5 times (more often depending on the joint width) until the joint material is saturated with water over its full filling depth. Do not wash the joint material out of the joint and avoid foaming of the binder caused by a jet that is too hard or held too close. Do not let the area dry out during watering.
Test: lift the joint material in several places, e.g. with a spatula or a screwdriver, and check that it is completely soaked through. Do not flood the area and avoid puddles; remove standing water with a sponge or a rubber squeegee.

Curing:
The following points refer to a temperature of 20 °C and 65 % relative humidity (high temperatures shorten, low temperatures lengthen the curing and rain protection times).
The jointing sand must dry out completely in order to set optimally. Application in dry, sunny weather is therefore recommended. Protect the area from rain for 3 hours. Extend the rain protection at low temperatures! Remove the rain protection immediately afterwards. Likewise, do not cover the area in dry weather, so that the joint can dry right through.

The finished, set joint must not be driven or walked on directly. After 3 hours the area can be walked on. It can be driven on after approx. 3 days. Final release to traffic after 5 days.

With these notes we wish to advise to the best of our knowledge on the basis of our tests and experience. Because of the many possible applications and the storage and application conditions of our products, which are beyond our control, we cannot however accept any warranty for the work result in individual cases. Carry out your own tests. Our technical advisory service is always available on the free phone number 0 800 / 800 850 800 or at Technik@gftk-info.de. Subject to change.

Please always refer to our detailed brochure “Application Technology Notes”. You can request it from your dealer or directly from us!

No direct legal liability can be derived either from the notes in this product information or from verbal advice, unless the content of the advice is expressly confirmed by us in writing. With the publication of this product information all previous versions become invalid.

Rheinbach-Flerzheim, May 2026

Further application examples









vdw Mortar Systems

Build safely in the system!



vdw Jointing Mortar

vdw Adhesive Slurry

vdw Bedding Mortar

How to reach us:

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We are glad to support you with your project!

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