vdw 855 – 2K high-compaction Jointing Mortar

For jointing natural stone setts, concrete block paving and clinker paving on squares, paved roads, driveways, loading zones and in historic town centres.



for light to heavy traffic loads



clean surface



no covering



permeable to water



Joint width ≥ 8 mm

- sand



- stone grey



- basalt (dark grey)



Can be applied even in rain, no covering needed!

Further properties

- fast setting time
- early release to traffic
- durable jointing
- clean paved surfaces
- self-compacting
- mechanical sweeper resistant
- highly frost and de-icing salt resistant
- durably filled joints
- reduced risk of accidents
- low water permeability / impermeable to water when properly compacted

GftK

Quality for Professionals

Technical Data

Product description
Reaction-resin based jointing mortar with graded mineral aggregates.

Binder:	2-component, solvent-free, water emulsifiable epoxy resin
Joint width:	continuously at least 8 mm*
Joint depth:	full joint depth
Packaging:	PP bucket 25 kg

Material data

Flexural strength:	approx. 14.0 N/mm ²
Adhesive tensile strength:	approx. 1.9 N/mm ²
Compressive strength:	approx. 50.0 N/mm ²
E-Modulus:	approx. 8,500 N/mm ²
Water permeability:	without subsequent compaction of the joints: 2.0 x 10^{-5} m/s (approx. 0.23 l/m²/min at 20 % joints)
Storage life:	1 year, stored dry and frost-free

Application data

Mixing ratio:	A : B = 100 : 3.6
Pot life:	approx. 5 minutes at 20 °C after mixing
Outside temperature:	min. 3 °C, maximum 25 °C
Substrate temperature:	min. 3 °C, maximum 25 °C

Ecology

Water hazard class:	Resin component:	WGK 2
	Hardener component:	WGK 2
Disposal code:	Resin component:	080410, 080499
	Hardener component:	080409, 080413, 080499

***Note on the joint width**
The minimum joint width stated in our technical data sheets does not describe the target joint width to be planned or built for the paving. Rather, it indicates the joint width from which our jointing mortars can be applied reliably and functionally – including in those parts of a joint that may turn out locally narrower, e.g. because of dimensional tolerances of the paving materials.
The planning and execution of joint widths always follow the recognised rules of engineering, in particular the requirements of ZTV-Wegebau, ZTV-Pflaster-StB, ATV DIN 18318 or other relevant standards and guidelines for paving and slab surfaces. These define the minimum joint widths required for different construction methods and load classes to ensure a permanently functional construction.

Consumption

The consumptions stated in the table refer to setts cut on all sides and laid as coursed paving, and are based on our many years of experience. The natural shape of the setts and different laying patterns may result in deviations. If in doubt, determine the consumption on a trial area. The values refer to a joint depth of **10 mm** and must be multiplied by the actual joint depth. **Also use our consumption calculator at: www.gftk-info.de/verbrauchsrechner**

	Dimensions in mm		approx. consumption kg/m² for joint widths		
	Width	Length	10 mm	15 mm	20 mm
Block paving	100	120	2,9	4,2	5,4
	100	100	3,2	4,6	5,8
	80	100	3,5	5,0	6,4
	60	80	4,4	6,3	7,9
Sett paving	160	180	2,0	2,8	3,7
	140	180	2,1	3,0	3,9
	120	160	2,4	3,4	4,4

Application



clean the surface free of residues



Minimum joint width 8 mm



Pre-wet the surface



add the binder components



mix until homogeneous



Work in the mortar



clean off with a water jet and a damp broom



Bear in mind post-treatment!

Requirements:
A stable, load-bearing, permanently water permeable substrate, joint width continuously ≥ 8 mm, **joint depth: the full depth down to the rising bedding mortar**, outside and paving temperature min. 3 °C, **max. 25 °C**.

Test area:
On some paving materials, contact between **vdw 855 Jointing Mortar high-compaction** and the stone surface may cause visual changes such as darkening and/or spotting. We generally recommend laying a **test area**.
On absorbent paving we recommend using **vdw 950 StoneProtect plus 3 in 1**.

Preparation:
Clean the surface to be jointed free of any residues.

Pre-wetting:
Saturate the surface thoroughly. Always use clean, cool tap water for wetting and cleaning!

Mixing the jointing mortar:
Pre-mix the aggregate/binder blend, then add the binder and mix until homogeneous for approx. 3 minutes.
No water may be added to the mix!

Filling the joints:
Pull the mortar **immediately** over the whole wet surface with a hard rubber squeegee and work it thoroughly into the joints. As the flowability decreases, wet the mortar again lightly with a water spray. It is advisable to joint from the highest to the lowest point.
To produce joints impermeable to water, subsequent compaction of the jointing mortar (e.g. with a jointing iron or a tamper) is essential.

Brushing off / cleaning:
Clean off the excess mortar immediately **with a water spray**, without washing out the joints. Make sure that cleaning is carried out towards areas not yet jointed and that the stone surface is cleaned as well. Sweep off the last mortar residues once more with a **damp** coconut fibre brush.

Curing:
The following points refer to a temperature of 20 °C and 65 % relative humidity (high temperatures shorten, low temperatures lengthen the curing time).
Cordon off the freshly jointed area for a period of at least 24 hours, or until the paved surface is no longer tacky. The areas can then be walked on. Final release of the areas to traffic after 3 – 5 days at the earliest. In principle a strength test should be carried out before the areas are put into service.

Important Notes

Substrate
vdw 855 Jointing Mortar high-compaction is a jointing material and cannot absorb settlement from the substrate. Substrate, sub-base and surfacing must be designed to suit the anticipated traffic load.

Bedding
- **Pedestrian loading:** laying the paving in a stable, free-draining sand or chipping bed is sufficient. Better: lay the slabs in a free-draining concrete or mortar bed, we recommend **vdw 480 Bedding Compound** or **vdw 490 Trass Drain Mortar** and **vdw 495 Adhesive Slurry**, as otherwise increased cracking may occur.
- **Vehicle loading:** paving must be laid in a free-draining concrete or mortar bed; we recommend **vdw 490 Trass Drain Mortar** and **vdw 495 Adhesive Slurry**.

Joints
- **Minimum joint depth:** for **vdw 855 Jointing Mortar high-compaction** the full block height.
- **Minimum joint width:** The minimum joint width for **vdw 855 Jointing Mortar high-compaction** is 8 mm.
- Chamfers on slab and clinker paving must be exposed, as sufficient adhesion is not ensured.
- Movement joints must be arranged according to the principles of construction. Joints from the substrate and at structures must be carried through. Joint with a suitable elastic material.
- Joints made impermeable to water are not watertight joints. Nor do they replace a waterproofing layer.

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

vdw Mortar Systems

Build safely in the system!



vdw Jointing Mortar

vdw Adhesive Slurry

vdw Bedding Mortar

How to reach us:

Call us free of charge or write to us:

Contact: 08 00 / 800 850 800

We are glad to support you with your project!

Your contact

Gesellschaft für technische Kunststoffe mbH
Kottenforstweg 3
D-53359 Rheinbach-Flerzheim

Phone: +49 (0) 2225 / 9157-0
Hotline: 0800 / 8008508 00
mail@gftk-info.de
www.gftk-info.de