vdw 815 ultra – 2K Slab Joint Mortar

NEW from 2026

The slab jointing mortar for the narrow joint. Highly free flowing, self-compacting and workable even at low temperatures and in the rain. Virtually no binder film. Ideally suited to natural stone and ceramic slabs.



for light traffic loads



clean surface



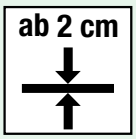
permeable to water



no covering



joint width ≥ 4 mm



especially for thin-layer paving

- natural



- stone grey



- basalt



The premium mortar for modern slabs

Further properties

- fast, economical and durable jointing
- clean paved surfaces
- water permeable
- self-compacting
- free flowing
- mechanical sweeper resistant
- abrasion resistant
- highly frost and de-icing salt resistant
- durably filled joints
- reduced risk of accidents
- can be applied in the rain and at low temperatures

GftK

Quality for Professionals

Technical Data

Product description
Reaction-resin based, water permeable joint mortar with graded mineral aggregates.

Binder:	2-component, solvent-free, highly modified, water emulsifiable epoxy resin
Joint width:	continuously at least 4 mm*
Joint depth:	full joint depth on areas with vehicle traffic, in bonded bedding min. 20 mm, in unbonded bedding min. 30 mm
Packaging:	PP bucket 10 kg

Material data

Flexural strength:	approx. 9.0 N/mm²
Adhesive tensile strength:	approx. 0.8 N/mm²
Compressive strength:	approx. 20.0 N/mm²
E-Modulus:	approx. 3,900 N/mm²
Water permeability:	$0.67 \cdot 10^{-3}$ m/s (approx. 4 l/m²/min at 10 % joints)
Storage life:	9 months, stored dry and frost-free

Application data

Mixing ratio:	A : B = 100 : 2.5
Pot life:	approx. 20 minutes at 20 °C after mixing
Outside temperature:	min. 3 °C, max. 25 °C
Substrate temperature:	min. 3 °C, max. 25 °C

Ecology

Water hazard class:	Resin component: Class 2, Hardener component: Class 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 test 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	4 mm	5 mm
Slab paving	600	400	0,2	0,3
	500	500	0,2	0,3
	500	400	0,3	0,3
	400	400	0,3	0,4
	300	300	0,4	0,5
	200	200	0,6	0,7

Application

You will find further information in this application video



clean the surface free of residues and pre-wet it



add the binder components



Mix until homogeneous



work in the mortar



Clean with a hose spray ...



... and a damp coconut brush



follow the curing notes!

Requirements:
A stable, load-bearing, permanently water permeable substrate, joint depth ≥ 30 mm (full joint depth on areas with vehicle traffic), joint width continuously ≥ 4 mm, outside and surface temperature min. 3 °C to **max. 25 °C**.

Test area:
On some natural stone and concrete slabs, contact between **vdw 815 ultra Slab Joint Mortar** and the stone surface may cause visual changes such as darkening and/or spotting. Because of the large number of surface-treated concrete blocks in particular, a compatibility test beforehand is necessary in individual cases. We generally recommend applying 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.

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

Mixing the joint mortar:
Pre-mix the aggregate, then add the binder and mix until homogeneous for approx. 3 minutes with a drill and paddle mixer. Unmixed constituents must not be applied. **No water may be added to the mix.**

Filling the joints:
Work the mortar into the joints **immediately** with a hard rubber squeegee – as far as possible diagonally to the joint. A water spray can be used to increase the flowability of the joint mortar. **The surface should be kept constantly wet during application.** We recommend working from the highest point downwards in the direction of the fall.

Brushing off / cleaning:
Immediately **clean the excess mortar off the surface with a light, continuous water spray until it has been completely removed.** Make sure that cleaning is carried out towards areas that have not yet been jointed. Sweep off the last mortar residues with a coconut fibre brush, **damp if necessary**. Do not sweep mortar residues into joints that are still open. Take care that neither rinsing water nor mortar residues remain on the surface.

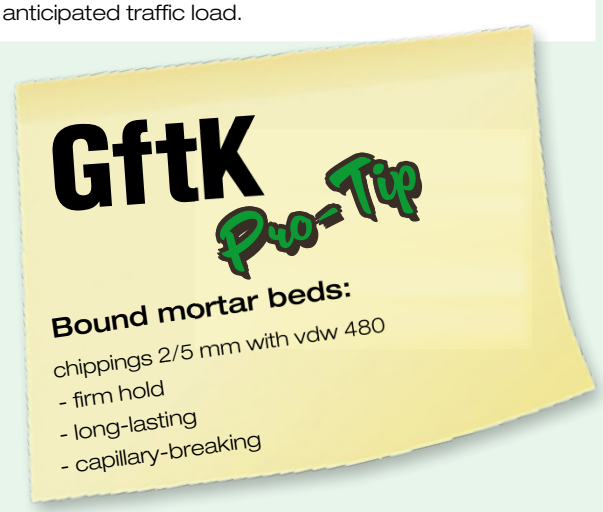
Curing:
The following points refer to a temperature of 20 °C and 65 % relative humidity (high temperatures shorten, low temperatures lengthen the curing time). Cordon off the freshly jointed areas for a period of at least 24 hours, or until the paving surface is no longer tacky. The areas can then be 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 815 ultra Slab Joint Mortar 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 slabs 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 470 Landscaping Drain Mortar** or **vdw 490 Universal Trass Drain Mortar** and **vdw 495 Universal Adhesive Slurry**, as increased cracking may otherwise occur.

• **Vehicle loading:** the slabs must be laid in a free-draining concrete or mortar bed to suit the loads occurring – we recommend **vdw 480 Bedding Compound** or **vdw 470 Landscaping Drain Mortar** or **vdw 490 Universal Trass Drain Mortar** and **vdw 495 Universal Adhesive Slurry**.



Joints
• Minimum joint depth: the minimum joint depth for **vdw 815 ultra Slab Joint Mortar** is 30 mm, on areas with vehicle traffic the full joint depth. **Where slab paving laid in a free-draining mortar bed with an adhesive slurry is jointed, the minimum joint depth may be reduced to 20 mm in pedestrian areas.**
• Minimum joint width: the minimum joint width for **vdw 815 ultra Slab Joint Mortar** is 4 mm.
• Chamfers on slab and clinker paving must be exposed, as sufficient adhesion is not ensured.
• Movement joints must be arranged in accordance with the construction principles. Joints from the substrate and at abutments to structures must be carried through. Joint with an elastic joint material. We recommend **vdw 885 plus FugenFlex**.

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 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

“clean” working





Clean the soles of your shoes regularly – this prevents footprints on the surface

Here is the video example:





Rinse the brush more often – it then picks up more mortar residue from the surface and makes cleaning easier

Here is the video example:

Further application examples




vdw Mortar Systems

for concrete, natural stone, ceramic and clinker paving



How to reach us:

Write to us or give us a call:

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We are glad to support you with your project!

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