vdw 800 – 2K Paving Joint Mortar

For jointing natural stone setts, concrete block paving and clinker paving on patios, paths, in pedestrian zones and passageways.



for light traffic loads



permeable to water



width ≥ 5 mm

- natural



- stone grey



- basalt (dark grey)



GftK

Quality for Professionals

Further properties









- fast, economical and durable jointing
- clean paved surfaces
- permeable to water
- self-compacting
- mechanical sweeper resistant
- abrasion resistant
- highly frost and de-icing salt resistant
- durably filled joints
- reduced risk of accidents
- environmentally friendly
- Variable consistency

Technical Data

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

Binder:	2-component, solvent-free, water emulsifiable epoxy resin
Joint width:	continuously min. 5 mm
Joint depth:	min. 30 mm, full joint depth on trafficked areas; for joint widths ≥ 15 mm the jointing depth must be at least twice the joint width
Packaging:	PP bucket 25 kg, PP bucket 10 kg

Material data

Flexural strength:	approx. 5.0 N/mm ²
Compressive strength:	approx. 15.0 N/mm ²
E-Modulus:	approx. 3400 N/mm ²
Water permeability:	5.08 · 10 -3 m/s (approx. 60 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. 15 minutes at 20 °C after mixing
Outside temperature:	min. 7 °C, max. 30 °C
Substrate temperature:	min. 7 °C, max. 30 °C
Material temperature:	min. 7 °C, max. 30 °C

Ecology

Water hazard class:	Hardener comp.: WGK 1, resin comp.: WGK 2
Disposal code:	Hardener comp.: 080409, 080410, 080499, resin comp.: 080409, 080413, 080499

Consumption

The consumption figures 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 other 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	5 mm	10 mm	15 mm
Mosaic paving	40	40	3,6	6,4	8,7
	50	50	2,9	5,3	7,4
	40	60	3,0	5,5	7,6
Block paving	100	120	1,4	2,7	3,9
	100	100	1,5	2,9	4,2
	80	100	1,7	3,2	4,6
	60	80	2,2	4,1	5,7
Sett paving	160	180	0,9	1,8	2,6
	140	180	1,0	1,9	2,8
	120	160	1,1	2,2	3,1

Application

You will find further information in this application video



Clean the surface free of residues
Pre-wet the surface thoroughly



Add the binder component



Add max. twice the quantity of water



Mix homogeneously



Work in the mortar



Sweep off with a damp brush



Follow the curing notes!

Requirements:
A stable, load-bearing, permanently water permeable substrate, joint depth ≥ 30 mm (full joint depth on trafficked areas), joint width continuously ≥ 5 mm, outside and surface temperature min. 7 °C, max. 30 °C.

Test area:
On natural stone and concrete block paving, contact between **vdw 800 Paving Joint Mortar** and the stone surface can cause visual changes such as darkening and/or staining. We generally recommend laying a **test area**.
On absorbent surfacings we recommend using **vdw 950 StoneProtect 3 in 1**.

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

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

Mixing the joint mortar:
To the aggregate already pre-mixed with one binder component, add the contents of the binder bottle in the bucket and at most twice that quantity of water, and mix until homogeneous.

Filling the joints:
Pull the mortar over the whole wet surface with a hard rubber squeegee and work it thoroughly into the joints. It is advisable to joint from the highest to the lowest point.

Brushing off / cleaning:
After approx. 15 – 20 minutes (at 20 °C) brush the excess, semi-dry mortar off the surface with a **damp** coconut fibre brush until it is completely removed. Do not sweep mortar residues into joints that are still open. Clean the brush frequently in water.

Curing:
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 times).
Cordon off the freshly jointed areas for a period of at least 12 hours. The areas can then be walked on. Protect the freshly jointed areas from moisture for a period of at least 12 hours (do not lay sheeting directly on the paving, provide ventilation underneath). Final release to traffic of the
areas after 7 days. In principle a strength test should be carried out before the areas are put into service.

Important Notes

Substrate
vdw 800 Paving 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 setts or slab paving in a stable, free-draining sand or chippings bed is sufficient. Better: laying 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**, other- wise increased cracking may occur.
- **Loading by motor vehicles:** laying the setts or slab paving in a free-draining concrete or mortar bed to suit the loads occurring – we recommend
  vdw 480 Bedding Compound or **vdw 490 Trass Drain Mortar** and **vdw 495 Adhesive Slurry**.

GftK ProTip

Bound mortar beds:
2/5 mm chippings + vdw 480 Compound
- firm hold
- long-lasting
- capillary-breaking

Joints

- **Minimum joint depth:** The minimum joint depth for **vdw 800 Paving Joint Mortar** is 30 mm, and the full joint depth on trafficked areas. When jointing slab paving laid in a free-draining mortar bed with a bonding slurry, the minimum joint depth can be reduced to 20 mm in pedestrian areas.
- **Minimum joint width:** The minimum joint width for **vdw 800 Paving Joint Mortar** is 5 mm.
- For joint widths ≥ 15 mm the jointing depth must be at least twice the joint width.
- Chamfers on slab and clinker paving must be exposed, as sufficient adhesion is not ensured.
- Movement joints must be arranged in line with building principles. Joints from the substrate and at abutments to structures must be carried through. Joint with an elastic material. We recommend the **vdw Dehnungsfugenset**.

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, March 2022

vdw Mortar Systems

for concrete, stone, ceramic, clinker



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!

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

Phone: +49 (0) 2225 / 9157-0
Hotline: 0800 / 800850800
mail@gftk-info.de
www.gftk-info.de