

**vdw**

# Mortar Systems

*Proven and tested  
since more than 30 years!*

**vdw** Jointing Mortar

**vdw** Adhesive Slurry

**vdw** Bedding Mortar



**GftK**

professional quality

Since our foundation in 1971, we have specialised in the development, production and sales of top quality chemical building products for all kinds of traffic surfaces. As a pioneer in the development of innovative epoxy resin-based mortar systems (EP-mortar), we set a milestone in 1985 with the launch of our first EP pavement fixing mortar, vdw 800, as a simple, fast, inexpensive, environmentally-compatible and durable option for paved areas.

Thanks to our experience and development expertise we offer top quality EP mortars whatever the application; we strive to consolidate our leading position in this field as a supplier of solutions by continuously further developing our products.

In our two plants located in Rheinbach and Erfurt, we manufacture first class commodities.

## What can we do for you?















Rheinbach-Flerzheim, April 2020











### Application overview




Joint size	Natural Stone and/or concrete block paving, cobbles and/or clinkers			Flags and slabs made of natural stone or concrete	
	> 3 mm	> 5 mm	> 10 mm	> 3 mm	> 5 mm
	<b>Recommended joint mortars</b>				
<b>Pedestrians only</b>	plus vdw 840  plus Color vdw 400	vdw 800  vdw 400	vdw 425	plus vdw 815  plus vdw 840  plus Color vdw 400	vdw 800  vdw 400
<b>Light to medium traffic load</b>	plus Color vdw 400	vdw 800  plus vdw 850  vdw 400	vdw 425	plus vdw 815  plus Color vdw 400	vdw 800  vdw 400
<b>High to heavy traffic load</b>	plus Color vdw 400		vdw 855	plus Color vdw 400	

New product: vdw Variosand for joint widths from 2 - 4 mm.  
For further details and more information see the back of this brochure.


## Product overview


Permeable joints					
Product	Suitable for	Features	Joint width		
			> 3 mm	> 5 mm	> 10 mm
vdw 800	 	The classic!		✓	✓
plus vdw 815	 	Specially designed for natural stone slabs.	✓	✓	✓
vdw 830	 	For the design of coloured joints.		✓	✓
plus vdw 840		Recommended for concrete stones with impregnated or sealed surfaces.	✓	✓	✓
plus vdw 850	  	Can even be applied in the rain and at low temperatures. Very convenient for the jointing of polygonal slabs and flags.		✓	✓
vdw 855	   	Approved for public areas.			✓


Impermeable joints					
Product	Suitable for	Features	Joint width		
			> 3-25 mm	> 5-25 mm	> 6-50 mm
vdw 400	  			✓	
plus vdw 400	   	Coloured joints, approved for public areas.	✓	✓	
vdw 425	  	Recommended for jointing of polygonal slabs and flags.			✓

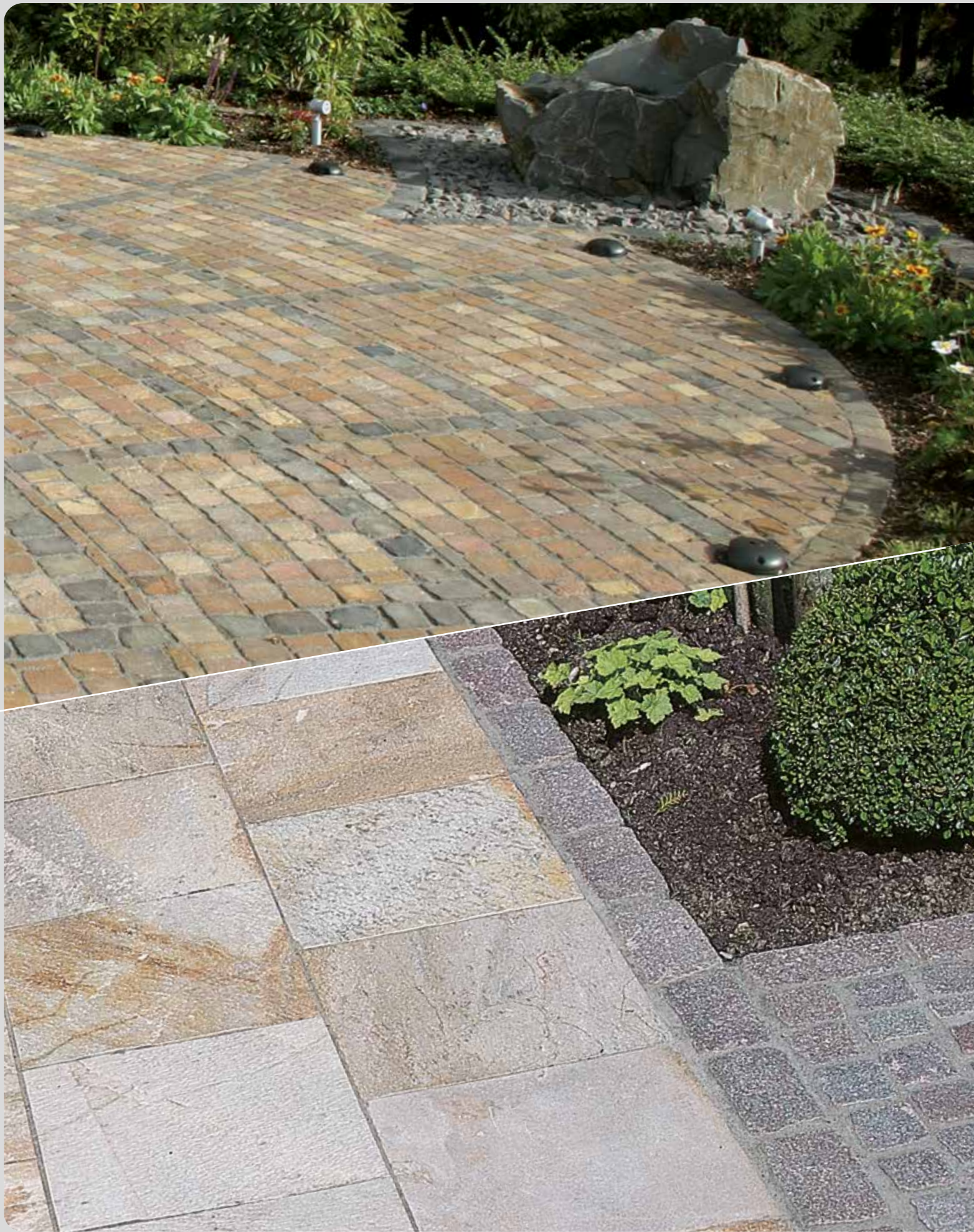
Refined polymeric sand					
Product	Suitable for	Features	Joint width		
			2-4 mm		
vdw VarioSand	  	innovative solution for very narrow joints		✓	

 pedestrians only

 medium traffic loads

 light traffic loads

 high to heavy traffic loads



## Permeable

Epoxy Paving Jointing Mortars

**vdw 800****Epoxy Paving Joint Mortar 2-components**  
High performance for light traffic loads

The well-known classic with a wide range of applications for cobbles, flags, slabs and clinkers.



- water permeable
- easily flow applied, very homogeneous
- abrasion resistant
- minimum joint width: 5 mm
- minimum joint depth: 30 mm  
(in areas of heavy or frequent vehicular traffic: total joint depth)
- mechanical sweeper resistant
- highly frost and de-icing salt resistant
- surface / substrate temperature for application: > 7 °C
- protect the freshly jointed areas from humidity, rain or waterflow for a period of 12 hours (at 20 °C)



colour	packaging	item-no.
1 natural (light sand)	plastic pail 25 kg	800002.825
2 stone grey	plastic pail 25 kg	800003.825
3 basalt (dark grey)	plastic pail 25 kg	800004.825

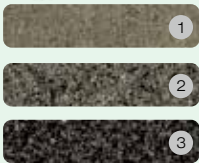
Packing: 24 x 25 kg plastic pails/buckets = 600 kg/pallet

**plus vdw 850****Epoxy Paving Joint Mortar 2-components (Self-Compacting)**  
High performance for light to medium traffic loads

The top all-rounder among paving jointing mortars which can even be applied at low temperatures and in the rain. It is processed with water from a hose and a fine spray nozzle. Almost no film of resin binder. Highly recommended for busy areas.

*can be applied in the rain*

- water permeable
- minimum joint width: 5 mm
- minimum joint depth: 30 mm  
(in areas of heavy or frequent vehicular traffic: total joint depth)
- mechanical sweeper resistant
- abrasion resistant
- highly frost and de-icing salt resistant
- surface/substrate temperature for application: > 3 °C < 25 °C
- no additional protection required
- durable, fast and cost effective



colour	packaging	item-no.
1 natural	plastic pail 25 kg	850302.825
2 stone grey	plastic pail 25 kg	850303.825
3 basalt (dark grey)	plastic pail 25 kg	850304.825

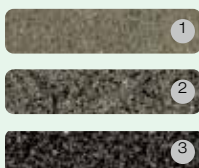
Packing: 24 x 25 kg plastic pails/buckets = 600 kg/pallet

**vdw 855****Heavy Duty Epoxy Paving Joint Mortar 2-components (Self-Compacting)**  
High performance for paving subject to heavy traffic loads

Paving jointing mortar for highly trafficked areas and areas subject to heavy vehicle loading, i.e. roads, trafficked roundabouts, loading zones, town centres, market squares and historic areas exposed to modern traffic.

*can be applied in the rain*

- rapid curing and fast opening for traffic
- water permeable
- almost no film of resin binder
- minimum joint width: 10 mm
- minimum joint depth: full joint depth of the paving resp. full height of the setts
- mechanical sweeper resistant
- abrasion resistant
- highly frost and de-icing salt resistant
- surface / substrate temperature for application: > 3 °C < 25 °C
- no additional protection required



colour	packaging	item-no.
1 natural (sand)	plastic pail 25 kg	855102.825
2 stone grey	plastic pail 25 kg	855103.825
3 basalt (dark grey)	plastic pail 25 kg	855104.825

Packing: 24 x 25 kg plastic pails/buckets = 600 kg/pallet

plus  
vdw **815**

**Epoxy Paving Mortar 2-components**  
for flags and slabs  
For light traffic loads



**Epoxy paving mortar** for flags and slabs with narrow joints. Easily flow-applied, self-compacting and even applicable in the rain with no additional protection required! Almost no film of resin binder with clean and stainfree surfaces.



- water permeable
- easily flow applied, very homogeneous
- minimum joint width: 3 mm
- minimum joint depth: 30 mm,  
(in areas of heavy or frequent vehicular traffic:  
total joint depth)
- mechanical sweeper resistant
- abrasion resistant
- highly frost and de-icing salt resistant
- surface / substrate temperature for application:  
> 3 °C < 25 °C
- no additional protection required



colour	packaging	item-no.
1 natural	plastic pail 10 kg	815302.810
2 stone grey	plastic pail 10 kg	815303.810
3 basalt (dark grey)	plastic pail 10 kg	815304.810

Packing: 50 x 10 kg plastic pails/buckets = 500 kg/pallet

plus  
vdw **840**

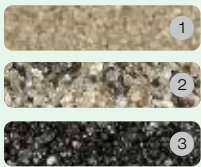
**Paving Joint Mortar 1-component**  
For pedestrian areas



**The wet slurry application** mortar for pedestrian areas. Supplied ready-to-use. Just open the pail, cut open the plastic bag, pour the mortar onto the wetted surface in small piles (bit by bit), slurry into the joints using water, brush off, done!  
**Especially for factory-impregnated or -sealed surfaces.**



- water permeable
- minimum joint width: 3 mm
- minimum joint depth: 30 mm
- highly frost resistant
- almost no film of resin binder
- protect the freshly jointed areas from humidity,  
rain or waterflow for a period of 24 hours (at 20 °C)
- surface / substrate temperature: > 5 °C



colour	packaging	item-no.	packaging	item-no.
1 natural	plastic pail 12,5 kg	840302.812	plastic pail 25 kg	840302.825
2 stone grey	plastic pail 12,5 kg	840303.812	plastic pail 25 kg	840303.825
3 basalt	plastic pail 12,5 kg	840304.812	plastic pail 25 kg	840304.825

Packing: 48 x 12,5 kg pails/buckets = 600 kg/pallet  
24 x 25 kg pails/buckets = 600 kg/pallet

vdw **VarioSand**

**Refined polymeric sand**  
Innovative solution for very narrow joints



**The ideal product for narrow joints** which are not suitable for conventional mortars.



- fine sand structure
- application without lots of dust
- water permeable
- ready-to-use (no mixing necessary)
- minimum joint width: for narrow joints  
(from 2 - 4 mm )
- minimum joint depth: 40 mm
- suitable for pavers in public and private areas
- no weeds or boring insects, neat and  
clean surfaces
- surface / substrate temperature for application:  
min. 8 °Celsius, max. 30 °Celsius
- after installation, a frost free period of at least two  
days is required (essential).
- the finished area must not be driven or walked on  
directly, the surface is walkable after 3 hours and  
may be driven on after 3 days. Final opening should  
be after 5 days of curing.



colour	packaging	item-no.
1 natural	plastic pail 25 kg	XXX
2 basalt (dark grey)	plastic pail 25 kg	200101.825

Packing: 24 x 25 kg plastic pails/buckets = 600 kg/pallet



**Impermeable**  
Cement Based Jointing Mortars

**vdw 400****Cement Based Jointing Mortar**  
for light to medium traffic loads

**Cementitious, coated, fast-curing** joint mortar particularly designed for the jointing of trafficked surfaces for interior and exterior areas. Easy to apply without any means of pre- and post-treatment.



- early pedestrian access and loading
- **impermeable**
- highly abrasion resistant
- minimum joint width: **> 5 mm < 25 mm**
- minimum joint depth: full joint depth of the paving resp. full height of the setts
- compressive strength of approx. 30 N/mm<sup>2</sup>
- highly frost and de-icing salt resistant
- surface / substrate temperature for application: > 5 °C < 25 °C
- protect the freshly jointed areas from heavy rain or waterflow for a period of 12 hours (at 20 °C)



colour	packaging	item-no.
1 cement grey	sack 25 kg	400001.825

Packing: 40 x 25 kg sacks = 1.000 kg/pallet

**plus vdw 400****Cement Based Jointing Mortar Color plus**  
for light to heavy traffic loads

**Cementitious, plastic-coated, fast-curing** joint mortar particularly designed for the jointing of natural stone setts and concrete block paving for interior and exterior areas. Easy to apply without any means of pre- and post-treatment.

*HOA tested!*

- early pedestrian access and loading
- **impermeable**
- highly abrasion resistant
- minimum joint width: **> 3 mm < 25 mm**
- minimum joint depth: full joint depth of the paving resp. full height of the setts
- compressive strength of > 45 N/mm<sup>2</sup>
- highly frost and de-icing salt resistant
- surface / substrate temperature for application: > 5 °C < 25 °C
- protect the freshly jointed areas from heavy rain or waterflow for a period of 12 hours (at 20 °C)



colour	packaging	item-no.
1 sand beige	sack 25 kg	400003.825
2 grey	sack 25 kg	400004.825
3 anthracite	sack 25 kg	400005.825



Packing: 40 x 25 kg sacks = 1.000 kg/pallet

**vdw 425****Cement Based Jointing Mortar for wide joints**  
For light to medium traffic loads

**Cementitious, plastic-coated, fast-curing** joint mortar particularly designed for the jointing of wide joints, such as polygonal flooring for indoor and outdoor use.



- early pedestrian access and loading
- **water impermeable**
- highly free flowing
- minimum joint width: **> 6 mm < 50 mm**
- minimum joint depth: full joint depth of the paving resp. full height of the setts
- compressive strength of approx. > 40 N/mm<sup>2</sup>
- highly frost and de-icing salt resistant
- surface / substrate temperature for application: > 5 °C < 25 °C
- protect the freshly jointed areas from heavy rain or waterflow for a period of 12 hours (at 20 °C)



colour	packaging	item-no.
1 grey	sack 25 kg	425002.825

Packing: 40 x 25 kg sacks = 1.000 kg/pallet

**vdw****Cement Based Jointing Mortars**  
impermeable



**vdw 480****Bedding Compound**  
For light to medium traffic loads

**High quality, polyurethane-coated** bedding compound (trass cement based) for the easy creation of sublayers made of pervasive bedding mortar for paving, cobbles and slabs.



- early pedestrian access and loading
- thickness of the bedding compound: 4–10 cm
- consumption: from 2,4 kg/m<sup>2</sup>/cm thickness of the bedding mortar (plus aggregates)
- reduced blooming
- easy to apply
- highly frost and de-icing salt resistant
- high yield
- surface / substrate temperature for application: > 5 °C < 25 °C

colour	packaging	item-no.
1 cement grey	sack 25 kg	480000.825

Packing: 40 x 25 kg sacks = 1.000 kg/pallet

**vdw 495****Adhesive Slurry**  
For light to heavy duty traffic loads

**Adhesion slurry** for the laying of paving stones and slabs. Excellent stability and very strong adhesive bond with the bedding mortar.

*HPA tested!*

- early pedestrian access and loading
- layer thickness: 1–15 mm
- consumption: 1,6 kg/m<sup>2</sup>/mm
- highly frost and de-icing salt resistant
- surface / substrate temperature for application: > 5 °C < 25 °C

colour	packaging	item-no.
1 cement grey	sack 25 kg	495001.825

Packing: 40 x 25 kg sacks = 1.000 kg/pallet

**vdw 870****Paving Joint Sand Stabiliser**  
For domestic areas

**Thin liquid binder** for slabs, concrete blocks and clinkers with narrow joints, from 1 mm joint width. For solidation of the sand filling and for the repair of cracks.



- fast, cost effective sand stabilisation
- joint width: > 1 mm < 5 mm
- joint depth: minimum 10 mm
- Resistant to brushing out during cleaning and washing out during rainfall
- temperature of the substrate: > 10 °C
- consumption: approx. 1–2 l/m<sup>2</sup>
- frost resistant

colour	packaging (plastic tubs)	item-no.
transparent (when dried up)	1 litre	870102.801
	5 litres	870102.805

**vdw 520****EP Aggregate Paving Binder**  
For light traffic loads

The **2-component EP-binder** for decorative surface design. For the laying and consolidation of pea gravel (grit) for particle sizes 2/5, 5/8 and 8/11 mm. One unit is sufficient for 25 kg mineral mixture.



- ideal for waterpermeable areas
- for extra wide joints
- trafficable
- high UV resistance
- high resistance to yellowing
- suitable for damp mineral materials
- highly suitable for glass chippings
- wide range of design options

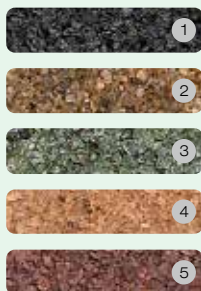
colour	packaging	item-no.
transparent	1.25 kg PE-bottle pack	520102.812
transparent	5 kg PE-canister pack	520102.820

**vdw 830****Epoxy Paving Joint Mortar Colour**  
For light traffic loads

The **coloured paving joint mortar** for the design of natural stone paving, concrete blocks, slabs, cobbles and clinker surfaces on garden patios, paths, domestic-entrance areas, terraces and driveways.



- coloured joints which will keep their colour
- clean surfaces
- mechanical sweeper resistant
- minimum joint width: 5 mm
- minimum joint depth: 30 mm  
(in areas of vehicular traffic: total joint depth)
- abrasion resistant
- highly resistant to frost and de-icing salt
- environmentally friendly
- surface / substrate temperature for application: > 7 °C
- protect the freshly jointed areas from humidity, rain or waterflow for a period of 12 hours (at 20 °C)



colour	packaging	item-no.
1 black	1 kg resin binder / 1 kg hardener + 25 kg sack mineral mixture	830091.825
2 orange	1 kg resin binder / 1 kg hardener + 25 kg sack mineral mixture	830012.825
3 green	1 kg resin binder / 1 kg hardener + 25 kg sack mineral mixture	830061.825
4 yellow	1 kg resin binder / 1 kg hardener + 25 kg sack mineral mixture	830011.825
5 red	1 kg resin binder / 1 kg hardener + 25 kg sack mineral mixture	830032.850

Packing: 40 x 27 kg packing drums = 1.080 kg/pallet

**vdw 950****StoneProtect Plus 3 in 1**  
StoneProtect Plus 3 in 1

**Ready-to-use, water based impregnation** for the hydrophobic (water repelling) and oleophobic (oil repelling) treatment of natural stone and other porous paving substrates. Can also be used to reduce any residual binder film on sensitive paving from pointing. It is a grouting relief for subsequent jointing with resin binder.



colour	packaging	item-no.
transparent	1 litre bottle	950 000.801
	5 litre can	950 000.805



Epoxy Paving Joint Mortar Colour / Binder



**NEW** vdw VarioSand

**Innovative solution for narrow joints**

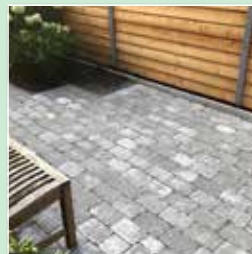
The ideal product for narrow joints not suitable for conventional mortars. The refined polymeric jointing sand prevents weeds and is ideally suitable for driveways and pavements.

- Ideal for concrete cobbles and klinkers with very narrow joints
- Special jointing sand of the latest generation
- Application with very low formation of dust
- Suitable for private and public paved areas (surfaces) with normal traffic loads



joint width:  
from 2 – 4 mm

**Application examples vdw VarioSand**



**Contact:**