

vdw

VarioSand

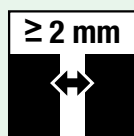
innovative solution for very narrow joints

Ideally suitable for concrete cobbles and stones with narrow joints.

Latest generation product.

Application with very low formation of dust.

Suitable for pavers in private and public areas with medium traffic loads



joint width:
≥ 2-4 mm

- basalt grey



professional quality

Application



Brush VarioSand into the joints, brush off any surplus material



Compact the material by using a wacker plate



Following, take a second go; put further sand into the joints and compact again. Afterwards brush off residue-free and clear chamfers, if necessary



Water the surface sufficiently, pay attention to finishing treatment!

Requirements:

Site requirements: A stable, load-bearing structure and a water permeable sub-base. Joint depth must be at least 40 mm. the joint width at least continuously 2mm up to max. 4 mm. Ambient and substrate temperatures should be min. 8° Celsius, max. 30° Celsius. After installation, a frost free period of at least two days is required (essential).

Test area:

On some concrete stone pavings, the contact with **vdw VarioSand** can change the optical appearance of the stone (foggy appearance or discolorations). Therefore always apply a test area first!

Tools:

- Coconut fibre brush
- Squeegee
- Big rubber mallet (to be used for areas that cannot be treated with a wacker plate)
- Water supply, a hose with a spray nozzle
- A sponge, if necessary
- Only for new installations: "big" wacker plate (if necessary equipped with screen mat, depending on the type of stones)
- Otherwise: "small" wacker plate (about 60-80 kgs) which is used to compact the jointing material, depending on the type of stones equipped with screen mat, if necessary

Preparation:

Clean the surface of all dirt, cementitious residues, organic materials, or any other contaminants, including cleaning out all of the joints to the required depth. The stone surface as well as the joints themselves must be absolutely dry because otherwise the binder contained in the product will be activated which will lead to contaminations on the stone surface. If necessary, residual moisture may be eliminated by using a gas burner.

Filling the joints:

Brush in the **vdw VarioSand** until joints are completely filled. Brush off the surface and compact the material by using a small wacker plate (60–80 kgs) equipped with a screen mat. Small areas may be treated with a rubber mallet. Be sure to compact the material thoroughly in order to achieve a solid and durable result. Repeat this procedure until the required filling height is achieved. **Test the compression by testing with a finger that the material is firm and solid.** Joint should be filled up to max 2 mm beneath the upper surface of the stones, chamfers must be brushed free before activating the binding agent. At last, brush off the surface with a soft, clean and dry brush so that no residues are left.

Activation of the binding agent:

Wet the surface thoroughly with clean water from the tap, using a soft jet of water in small sections, beginning from the lowest point. Repeat this procedure 4-5 times, depending on the joint width until the complete jointing material in its full depth is saturated with water. Avoid washing the VarioSand out of the joints. Do not use a water jet that is too strong (or too close) in order to avoid foaming of the binding agent. Make sure that the surface does not get dry during watering.

Test: Check if the jointing material is completely saturated with water at several points by using a screwdriver or a spatula (just lift the sand and put it back again into the joint after examination). Do not drown the surface and avoid ponding. In case there is standing water on the surface just remove by using a sponge or rubber squeegee.

Post treatment:

The following relates to a temperature of 20 °C / 68 °F and 65 % relative humidity.

Higher temperatures will shorten the curing period, lower temperatures will increase it.

vdw VarioSand must completely dry in order to achieve a perfect result. For that reason, we strongly recommend to apply the material in dry and sunny weather conditions. Protect the jointed area against rain for at least three hours. (Prolong the protection in case of low temperatures!) Afterwards, remove the rain protection. In case of dry weather, do not cover the surface so that the material may perfectly harden.

The finished area must not be driven or walked on directly, the surface is walkable after three hours and may be driven on after three days. The final opening should be after 5 days of curing.

Important information

As a basic principle it must be stated that permanent wetness may damage the joints. **vdw VarioSand** is not suitable for jet-washing or mechanical sweeper resistant!

In case the water within the material does not evaporate or evaporates only very slowly due to unfavorable weather conditions during the hardening process the **vdw VarioSand** cannot dry through and will thus not harden properly. In this case the duration of protection against rain as well as before the final opening have to be prolonged.

In case of existing older areas the stone surfaces might be roughened due to general use, weathering and/or cleaning so that a final cleaning of the surface after jointing might not be possible without residues! In spite of appropriate jointing foggy patches may be left. The same is true for freshly laid areas with open porous concrete pavers or clinkers. In these cases we recommend a pre-treatment of the surface with **vdw 950 StoneProtect Plus 3 in 1**.

The information on this Technical Data Sheet (TDS) is intended to give advice based on our testing and experience. We cannot guarantee results in any individual circumstances due to the variety of potential situations and the storage and application conditions for our products which are beyond our control. Specific project testing should be carried out where required.

Our Terms and Conditions of Sale and Delivery apply. No direct legal liability can be assumed based on the data in this Product Information Sheet, or from any verbal advice unless this advice is expressly confirmed by us in writing. This Product Information Sheet replaces all previous versions.

Rheinbach-Florzheim, August 2019

Further properties

- solid filling of joints
 - ▶ avoids sand being washed or blown out of the joints
 - ▶ suitable for trafficked surfaces (areas)
- special hybrid binding agents
 - ▶ application without lots of dust
- fine sand structure
 - ▶ for narrow joints (at least 2 – 4 mm)
- no weeds and boring insects
 - ▶ clean and neat surfaces
- water permeable
 - ▶ suitable for pavers in public and private areas
- ready-to-use
 - ▶ no mixing necessary

Technical data

Composition:

granularity of sand according to DIN EN 13169

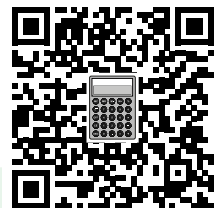
binder:	special polymers, additives, cement
joint width:	continuously min. 2 mm, max. 4 mm
joint depth:	min 40 mm
packaging:	buckets of 25 kgs (1 pallet = 24 buckets = 600 kgs)

Material data: (technical values)

density:	abt. 1,5 – 1,7 kg / Liter (compressed)
permeability:	water permeable
shelf life:	min. 12 months when stored in a dry and frost-free place

Consumption

per liter space in joints:	abt. 1,5 – 1,7 kg vdw VarioSand
average consumption:	abt. 3 – 4kgs per sqm (40 mm joint depth) when applied on concrete pavers



This product is not suitable for tiles!

You will find an online tool for calculation of the consumption here:

www.gftk-info.de/verbrauchsrechner

Contact: