

# vdw 870

## Paving Joint Sand Stabiliser

For domestic areas



For stabilising sand filled joints in paved areas with natural stone setts and slabs, concrete blocks and slabs or brick paving etc. Suitable for new and refurbishment use in domestic driveways, entrance areas, patios and pathways, with no commercial use or traffic; and for the repair of cracks in paving joints

- Fast, cost effective sand stabilisation
- Resistant to brushing out during cleaning and washing out during rainfall
- Helps paved surfaces stay clean with reduced penetration from spills or staining from food-stuffs etc.
- Water permeable
- Temperature stable
- Frost resistant
- Environmentally friendly

The GftK logo is located in the bottom right corner. It consists of the letters 'GftK' in a bold, white, sans-serif font, enclosed within a white rounded square with a black border, which is itself set against a green square background.

Quality for Professionals

## Application



### Requirements:

A clean, dry substrate, joint depth  $\geq 10$  mm, joint width 1 to 5 mm, **vdw 870** is only recommended for joint width's up to 5mm, because wider joints  $> 5$ mm can only perform for the long term if they are filled with an appropriate paving jointing mortar. Please contact us for advice on the most suitable type and specific paving jointing products for your project. The paved area temperature should be  $\geq 10$  °C, maximum + 30 °C (surface and ambient). No rain must be forecast for at least 24 hours.

### Tools:

A low pressure garden spray, a hard rubber squeegee, a coconut fibre brush, a sponge.

### Test area:

On some sensitive natural stone setts and concrete block paving, contact between **vdw 870** and the paved surface may result in visual changes such as darkening and/or spotting. We generally recommend applying a **test area** first.

### Preparation:

Clean the surface of the paved area to remove any dirt or mortar residues, etc. Then fill the joints with graded fine sand (0,3–0,8 mm granulometry is normally ideal) and remove loose materials from the surface. Keep any chamfered paving edges free of any sand material.

### Stabilise the joints:

Saturate the sand filled joints using **vdw 870** by low pressure spray.

### Curing:

Remove any surplus **vdw 870 Paving Joint Sand Stabiliser** liquid immediately with a hard rubber squeegee and a coconut fibre brush. Again keeping any chamfered edges clear, then use a damp sponge to absorb any final residue, rinsing the sponge frequently. Protect the finished area for a minimum of 24 hours.



## Technical Data

### Product Description

Acrylic resin binder for the stabilisation of sand filled joints in paving.

Chemical basis:	One-component, aqueous, low-viscosity, acrylic resin based dispersion
Joint width:	1 to 5 mm
Joint depth:	Minimum 10 mm
Packaging:	1 litre and 5 litres plastic tubs

### Material data

Density:	approx. 1,0 kg/l
Viscosity:	approx. 120 mPas
Solid content:	approx. 15 %
Storage life:	6 months stored in unopened and original containers in a cool and dry place away from frost

### Application data

Application temperature:	Min. +10°C, Max. + 30°C (surface and ambient)
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### Product safety

Product safety information:	Not subject to any mandatory hazard labelling
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### Ecology

German water hazard class:	Class 1 (self-classification)
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## Packaging

### Packaging (Plastic tubs)

### Article No.

1 litre	870102.801
5 litres	870102.805

## Sample Bills of Quantities

### Item

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Joints filled with sand (granulometry 0,3–0,8 mm).

**vdw 870 Paving Joint Sand Stabiliser (approx. 0,5–1,0 litres/m<sup>2</sup>)**

Saturate the joints with **vdw 870** by low pressure spray. Remove surplus material with a hard rubber squeegee and coconut fibre brush.

Follow all of the products technical information and application instructions.

### Manufacturer:

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# Application Instructions

All time specifications in this Technical Data Sheet relate to a temperature of 20°C/68°F and 65% relative humidity. High temperatures will shorten and low temperatures will increase these times.

## Consumption

**Approx: 1–2 litres/m<sup>2</sup>**

Consumption is very dependent on a number of different factors including the joint width, joint depth, sand granulometry and sand particle size, stabiliser saturation level, plus the number, size and spacing of the joints. We recommend on larger areas to determine the specific consumption by applying a test area first.

## Substrate

- The substrate must be durable, permeable and designed to fully support and accommodate the anticipated traffic and loading.

### Bedding:

- Lay paving stones, blocks or slabs in a suitable bed of sand or chippings. Joints filled with graded sand (0,3–0,8 mm granulometry).

### Joints:

- **Minimum joint depth:** 10 mm
- **Joint width:** 1 to 5 mm
- Any necessary expansion joints in the paving must be positioned in accordance with the structural requirements.
- Movement joints from the substrate and with adjacent structures must be brought through the paving to the surface.

## Preparation

During application of **vdw 870 Paving Joint Sand Stabiliser**, visual colour and gloss deepening of the paving can take place. A preliminary test should normally be done (particularly with absorbent natural stone or concrete block paving).

## Important Notes

- Clean the jointing area thoroughly, otherwise dirt and any other building residues can also be 'stabilised onto the surface' by **vdw 870**.
- Check the minimum joint depth is maintained and adjust mechanically, or by blowing with compressed air, if necessary.
- Tape or cover adjacent areas not being treated.
- Chamfers in concrete and brick paving must be brushed out and kept clear.

## Material preparation

- **vdw 870** is a one-component product, supplied ready-to-use.
- If water separates on the surface after extended storage, simply shake or stir to reconstitute the dispersion.

## Application

- A minimum temperature of +10°C/50°F (substrate and ambient) is required for application.
- Work only in dry conditions and when no rain is forecast for at least 24hours.
- Fill the joints with sand (0,3–0,8 mm granulometry).
- Sweep the surface thoroughly clean.
- Apply **vdw 870 Paving Joint Sand Stabiliser** evenly over the area with a low pressure spray.
- Saturate the joints.
- Remove any excess **vdw 870 Paving Joint Sand Stabiliser** immediately with a hard rubber squeegee and a coconut fibre brush.
- Absorb liquid residues with a damp sponge.
- Remove the masking tape.

## Application Instructions

### Curing

The following relates to a temperature of 20°C/68°F and 65% relative humidity (high temperatures shorten and low temperatures lengthen the curing and rain protection period required).

- Protect the newly treated areas from all traffic, rain and water for at least 24 hours.
- Unlike some solvented sand stabilising solutions, **vdw 870** is an environmentally friendly, water dispersed material with no VOC's. However the time required for residual water to evaporate, means that after around 24 hours, only light pedestrian traffic can be accepted, dependent on the temperature and humidity.
- The areas are fully serviceable when the **vdw 870 Paving Joint Sand Stabiliser** is fully cured and dry (at 20°C/68°F this will be after approx. 7 days).

### Cleaning the tools

- Clean tools and equipment with water and household detergent immediately after use and before the material has dried.

## Health and Safety Information

### Health and Safety:

- When using **vdw 870 Paving Joint Sand Stabiliser** avoid direct contact with the skin and wear safety goggles and protective gloves for handling.
- Keep away from children.
- Provide adequate ventilation when using in enclosed areas.

## Ecology

### Disposal

- Keep the material away from natural watercourses, drainage systems and the ground water.
- When dried the material is an inert product and does not require special disposal.
- Product information can also be found on the label and the material safety data sheets.

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## Product Range

### vdw Paving Jointing Mortars

<b>vdw 400</b>	<b>Cement Based Jointing Mortar</b>	For medium traffic loads, waterproof
<b>vdw 400 plus</b>	<b>Cement Based Jointing Mortar Color</b>	For light to heavy traffic loads, colored, waterproof
<b>vdw 800</b>	<b>Epoxy Pavement Jointing Mortar</b>	High performance for light to medium traffic loads
<b>vdw 805</b>	<b>Epoxy Pavement Jointing Mortar</b>	High performance for light to medium traffic loads Suitable for narrow joints from 3 mm
<b>vdw 815</b>	<b>Epoxy Pavement Jointing Mortar</b>	For light to medium traffic loads
<b>vdw 525/825</b>	<b>Tree Pit System - Resin Binder/Resin Bound Porous Mortar</b>	For pedestrian areas and light traffic loads
<b>vdw 830</b>	<b>Epoxy Pavement Jointing Mortar Color</b>	For light to medium traffic loads
<b>vdw 840 plus</b>	<b>Paving Joint Mortar/Grout</b>	For pedestrian areas
<b>vdw 850</b>	<b>Epoxy Pavement Joint Mortar Self Compacting</b>	High performance for medium traffic loads
<b>vdw 855</b>	<b>Heavy Duty Joint Mortar Self Compacting</b>	High performance for heavy traffic loads
<b>vdw 870</b>	<b>Paving Joint Sand Stabiliser</b>	For pedestrian areas
<b>vdw 950</b>	<b>StoneCare plus 3 in 1</b>	Liquid stone protection, water and oil repellent

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