

vdw 855 Heavy Duty Joint Mortar (Self Compacting)

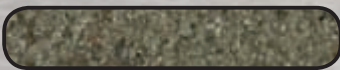
High performance for heavy traffic loads



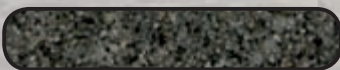
Pavement joint mortar for natural stone, reconstituted stone and brickwork surfaces in market squares, town centres, paved roads, trafficked roundabouts, loading areas etc, and in heavily used or trafficked heritage areas.

- Fast, durable, cost effective
- Rapid return to service
- Wet weather application in the rain
- Low temperature application (+3°C)
- Self compacting
- Clean stones - minimal surface residue
- Frost and de-icing salt resistant
- No weeds or boring insects
- Mechanical sweeper resistant
- Permanently filled joints
- Reduces trip hazards
- Environmentally inert when cured

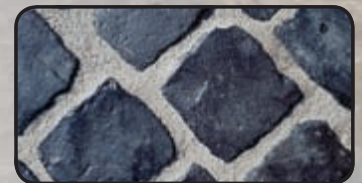
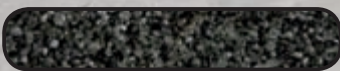
- Natural (Sand)



- Stone Grey



- Basalt (Dark Grey)



GftK

Product information

Site requirements:

Stable base. Base, sub-layers and pavement layer need to be correctly designed for the relevant traffic loads.

- In pedestrian areas: The paving should be laid as directed by the manufacturer or as stated in BS 7533.
- In areas of vehicular traffic: The paving should be laid on a permeable concrete or mortar bed in accordance with the relevant traffic loads and BS 7533.
- vdw 850 is not suitable for flags/slabs.
- The jointing mortar cannot be used to compensate for any settling of the sub-layers.

The joint depth must be at least 30 mm, joint width > 5 mm. The paving, grout and ambient temperatures should be min. 3°C.

Tools:

Compulsory forced action mixer, drill with twin spherical mixing paddle for small quantities, mains water supply hose with spray nozzle, watering cans, mortar buckets, wheelbarrows, rubber bladed trowel and coconut hair brush.

Preparation:

Clean the surface of all dirt, cementitious residues or other contaminants.

Pre-wetting:

Pre-wet the stone surfaces until saturated.

Mixing the paving joint mortar:

Mix the components using all of Component B in a compulsory mixer (5 minutes) or using a drill with a suitable mixing paddle in a mortar bucket (5 minutes).

No water may be added to the mix.

Filling the joints:

Spread the mortar across the whole surface using the rubber blade of the trowel and work thoroughly into the joints. High temperatures will reduce and low temperatures will increase the hardening and rain protection time.

Brushing off:

Remove any excess mortar after approx. 5 minutes (at temperatures of 20°C, at higher temperatures do this immediately after application) with a damp coconut hair brush and then with a water jet – held clear from the surface approx. 25 cm. Cordon off the freshly applied areas for a period of at least 6 hours. Then the area can be walked over. The area may only be fully released for use by traffic after 3 days. A very thin film of resin binder can remain on any surfaces that are not cleaned thoroughly. The film will disappear after a few months exposure to the elements. Practical experience has shown that on some stones this resin can make the stone appear darker. With critical stone surfaces the product should be tested first. Tools can be cleaned with water when fresh. Cured material can only be removed mechanically.

Consumption:

The consumptions stated in the table below refer to areas of natural stone setts with cropped edges and has been compiled from our own extensive experience. The natural shape of setts and different laying designs or techniques, may result in variations to these values. There is no allowance for any loss or wastage, etc. If in doubt, determine actual consumption based on a test area. The joint depth in all of these examples is 30 mm.

	Dimensions in mm		Approx. in kg/m ² for joint widths		
	Width	Length	10 mm	15 mm	20 mm
Mosaic areas	40	40	21,0	28,6	35,0
	50	50	17,5	24,2	30,0
	40	60	18,0	24,8	30,6
Small setts	100	120	8,8	12,7	16,3
	100	100	9,5	13,7	17,5
	80	100	10,6	15,1	19,3
	60	80	13,3	18,8	23,6
Larger setts	160	180	5,9	8,5	11,1
	140	180	6,3	9,1	11,8
	120	160	7,1	10,3	13,3

Key technical values:

All GftK pavement jointing mortars are designed to have the ideal correlation between their compressive, flexural and modulus of elasticity values, according to their recommended areas of use.

Compressive strength: approx. 45.0 N/mm²

Flexural strength: approx. 15.0 N/mm²

E Modulus: approx. 8400 N/mm²

Bond strength: >1.5 N/mm²

Permeability: Low (0.26 l/min/m² @ 20% joints)

Storage: 1 year in original, unopened, sealed and undamaged packaging, kept dry and frost-free.

Safety information:

- When using vdw 855 Epoxy Paving Joint Mortar avoid contact with skin and wear protective clothing including glasses and gloves etc.

No direct legal liability can be assumed based on the data in this product information or from any verbal advice unless the content of this verbal advice is expressly confirmed by us in writing. This product information makes all previous product information invalid.

Rheinbach-Flerzheim, 31.03.2007

Contact:

