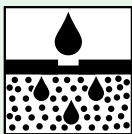


vdw 470 – Landscaping Drain Mortar

Bedding mortar for natural stone and concrete block paving and slabs.



for light to medium traffic loads



permeable to water



ready to use



can be applied wet or dry



early use and loading

wet & dry

easy to use



Further properties

- pleasant consistency, no tearing when spreading
 - high strengths
 - highly water-permeable
 - rapid hardening
 - optimised formula
 - capillary-passive effect thanks to high-grade polymer modification
- ➔ easier working, hardly any sticking to the screeding tool and therefore faster progress on site
 - ➔ suitable for traffic loads up to N3 to ZTV-Wegebau, i.e. the category trafficable, vehicles over 3.5 t to DIN 18318
 - ➔ meets the requirements of DIN 18318 and of the ZTV-Wegebau
 - ➔ early access on foot and jointing
 - ➔ can be mixed or applied dry, unmixed
 - ➔ prevents rising damp by capillary action despite fine chipping gradings

GftK

Quality for Professionals

Technical Data

Product description

Trass-cement-bound factory dry mortar for laying paving setts and slabs outdoors. Its special grading curve produces a highly water-permeable mortar bed with virtually no capillary suction. This reliably prevents frost damage.

Binder:	Standard cements with additives, low in chromate to TRGS 613
Bedding thickness:	4–10 cm
Packaging:	25 kg bag

Material data*

Compressive strength:	> 30.0 N/mm ² after 28 days
Adhesive tensile strength:	> 0,8 N/mm ²
Water permeability:	> 1000 L/m ² /h
Storage life:	12 months, stored dry and frost-free

Application data

Mixing ratio:	1.8 – 2.0 litres of water per 25 kg bag
Pot life:	approx. 90 minutes at 20 °C after mixing
Outside temperature:	min. 5 °C, max. 25 °C
Substrate temperature:	min. 5 °C, max. 25 °C

Ecology

Water hazard class:	Class 1 – slightly hazardous to water
Disposal:	Waste code 170101, 101314

*) determined by standard-compliant testing

Application notes

On constructions over drainage mats with open paving edges (e.g. balconies & roof terraces) the bedding mortar must be completely dry before jointing, as otherwise leaching from the bedding layer can cause efflorescence at open paving edges or at drainage fittings.

Sufficient drying through is only ensured after at least 3 days.

Consumption

Bed thickness:	4–10 cm
Build-up:	approx. 17 kg/m²/cm

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.

Application



You will find further information in this application video



prepare the sub-base and base courses



pour in max. 2 l of water



add vdw 470



apply the mortar and screed it off over guide rails



Set the paving with a hammer



for slabs apply adhesive slurry to the underside



Follow the curing notes!

Requirements:

The sub-base and base course must be sufficiently level, load-bearing and free-draining. They must be dimensioned so that no harmful deformation occurs. Ensure drainage by means of a free-draining substrate or a sufficient drainage fall, if necessary combined with a drainage mat. Ambient and substrate temperature > 5 °C, max. 25 °C.

Mixing the trass drain mortar:

Mix **vdw 470 Landscaping Drain Mortar** homogeneously with 8 % clean, cold water (2.0 litres of water per 25 kg of dry mortar) to an earth-moist consistency. No maturing time is required. Mortar that has begun to stiffen must not be made workable again, either with water or with fresh mortar.

Applying the mortar:

Apply the mixed mortar in the usual way. Lay out only as much material as can be worked within the pot life. In the compacted state the layer thickness must be at least 4 cm and at most 10 cm, depending on the area of use and the construction method. Set the paving firmly into **vdw 470 Landscaping Drain Mortar** with a hammer. To improve adhesion we recommend dipping the paving setts into **vdw 495 Universal Adhesive Slurry** before jointing. After 24 hours the areas can be jointed with **vdw Paving Jointing Mortar**. When laying slabs, screed **vdw 470 Landscaping Drain Mortar** level, observing the respective bedding thickness. Before laying the slabs, apply **vdw 495 Universal Adhesive Slurry** to the underside of the slab. The joint area must be free of **vdw 495 Universal Adhesive Slurry**.

Alternative application (for pedestrian areas only)

The mortar is poured straight from the bag, applied in the appropriate layer thickness and screeded off perfectly level. Then activate the laid area with a fine water spray. To improve adhesion we recommend dipping the paving setts into **vdw 495 Universal Adhesive Slurry** before laying. Before laying slabs, apply **vdw 495 Universal Adhesive Slurry** to the underside of the slab. The joint area must be free of **vdw 495 Universal Adhesive Slurry**. Once the paved area is complete, wet it thoroughly with water. The water then passes through the joints into the bedding layer and activates hardening.

Curing:

The following points refer to a temperature of 20 °C and 65 % relative humidity (high temperatures shorten, low temperatures lengthen the setting time).

Cordon off the freshly laid areas for a period of at least 48 hours. After 24 hours the areas can be jointed. Protect the mortar from rapid drying out and from rain for 12 hours. Trafficable by cars after 7 days. Fully loadable after 14 days.

vdw Mortar Systems

Build safely in the system!

vdw Jointing Mortar

vdw Adhesive Slurry

vdw Bedding Mortar

How to reach us:

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Contact: 08 00 / 800 850 800

We are glad to support you with your project!



Your contact

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