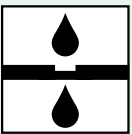


vdw 520 – EP Aggregate Binder

For tree pits, sett and slab bands, paving, lawn edges and splash strips



for light traffic loads



highly water-permeable



for wide edge joints

Further properties

- solid surfaces without joints → Closed surfaces with no loose fill – easy to maintain, safe and visually high-quality
- water- and air-permeable paved areas → no falls required, allows natural infiltration and improves the microclimate
- sound-absorbing → Reduces impact sound – ideal for residential surroundings and urban spaces
- frost-resistant → Lasting stability even at winter temperatures – no damage from freeze-thaw cycles
- colourfast → Ideal for coloured, natural mineral aggregates
- also suitable for damp mineral aggregates → Easy application even with residual moisture – no need to dry before application

Quality for Professionals

Technical Data

Product description

Binder for producing a water-permeable aggregate mortar.

Binder: two-component, solvent-free epoxy resin binder
with special additives

Material data

Density: 1.15 g/cm³
Storage life: 1 year

Ecology

Disposal code: Component A: 080410, 080499
Component B: 080409, 080413, 080499

Application data

Mixing ratio: A:B = 100:60
Pot life: approx. 40 minutes at 20 °C
Outside temperature: min. 8 – max. 30 °C
Substrate temperature: min. 8 – max. 30 °C

Important Notes

General information

- Because of the nature of the system, the temporary appearance after installation (gloss effect & deepening of the colour tone) weathers away over time (how long this takes depends on the intensity of the UV radiation). For this reason the effect can be uneven, particularly on larger areas, and in roofed areas it can last considerably longer or remain irreversibly.
- With bright white mineral aggregates a slight, temporary yellowish change of colour can occur. These effects result from the contact between vdw 520 EP Aggregate Binder and the mineral aggregate and are not a workmanship defect.
- When larger areas made up of several mixing batches are laid, particular care must be taken to keep mixing and ambient conditions uniform, so as to ensure an even, homogeneous appearance.
- We therefore recommend applying a test area.
- All times given in this data sheet refer to 20 °C and 65 % relative humidity (high temperatures shorten these times, low temperatures lengthen them).
- Surfaces produced with vdw 520 do not normally require movement joints. For technical reasons, however, it is advisable to create predetermined breaking points in order to produce controlled cracks. Cutting with a diamond disc at spacings of approx. 6.00 – 8.00 m has proved best.
- Despite careful application, marginal detachment of individual grains cannot be entirely ruled out and does not constitute a product or workmanship defect.

Packaging

Pack size	Art. no.
1.25 kg PE combi pack	520 102 812
5 kg PE combi pack	520 102 820
300 kg drum	520 102 830

Application



You will find further information in this application video



Clean the surface, add vdw 520 EP Binder to the aggregate



Mix intensively



Apply the aggregate mortar



Screed off over rails



Compact and smooth



Follow the curing notes!

vdw 520 EP Aggregate Binder is suitable for producing an aggregate mortar with **dust-free** mineral aggregates (chippings, rounded grain, cubic grain) in the grain sizes 1/3 mm, 2/4 mm, 2/5 mm, 5/8 mm, 8/11 mm and 8/16 mm. Depending on the grain size, the contents of one unit (1.25 kg) will bind between 25 kg and 40 kg of aggregate.

The material requirement can conveniently be determined with the consumption calculator (www.gftk-info.de/Verbrauchsrechner).

Areas of use and construction notes:

For pedestrian loading on an unbound base course to DIN 18315, in a layer thickness of at least 4 cm. For pedestrian loading on a bound bedding or base course to DIN 18316, in a layer thickness of at least 3 cm. For car traffic only on a bound, free-draining base or bedding course to DIN 18316, in a layer thickness of at least 5 cm. We recommend **vdw 480 Bedding Compound** or **vdw 470 Landscaping Drain Mortar/vdw 490 Trass Drain Mortar**. On areas with car traffic the largest grain of the mineral aggregate must not exceed 5 mm (e.g. gradings such as 1-3 mm, 2-4 mm or 2-5 mm). Irrespective of the minimum thicknesses given above, the layer thickness must be at least three times the diameter of the largest grain of the mineral aggregate. The substrate must be dimensioned to suit the anticipated loads. The planned level, fall and evenness must be assured. Existing contamination must be removed without residues.

Preparation:

Clean the surface, the joint flanks and the mineral aggregate free of residues. Adjacent areas such as kerbs or slabs must be protected against contamination by the binder by covering and masking them.

Test area:

On natural stone and concrete block paving, contact between **vdw 520 EP Aggregate Binder** and the stone surface may cause visual changes such as darkening and/or spotting, which may also be irreversible. **Always apply a test area!**

Material preparation:

Mix the binder components intensively **strictly in the order**: mineral aggregate, comp. A and comp. B, one after the other. Then transfer the mixed material into a clean container and mix it through again. **Do not add water!**

A few types of limestone and chalky chippings have a high dust content. Such chippings must be washed intensively before mixing and then dried, in order to avoid a loss of strength.

The mineral aggregates used (chippings and gravels) may be matt damp but must not be wet.

Application:

Place the prepared aggregate mortar on the base course. Spread it with a shovel and screed it off level to the appropriate thickness over rails. Compact and smooth the surface.

Curing:

The following points refer to a temperature of 20 °C and 65 % relative humidity (high temperatures shorten, low temperatures lengthen the curing time). Cordon off and protect the freshly laid areas from moisture (e.g. rain, dew or frost) for a period of at least 24 hours. The areas can then be walked on. Final release of the area to traffic can take place after 7 days.

In principle a strength test should be carried out before the area is put into service.

Possible applications



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.

vdw Mortar Systems

Build safely in the system!

vdw Jointing Mortar

vdw Adhesive Slurry

vdw Bedding Mortar

How to reach us:

Call us free of charge or write to us:

Contact: 08 00 / 800 850 800

We are glad to support you with your project!



Your contact

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