

ASOCRET-VK30

Cementitious under-grouting mortar, highly flowable



Material number	Package type	Colour	Units / pallet	Pc/package
206416001	25 kg, bag	Grey	42	1

Areas of application

- For grouting voids
- For anchoring concrete kerbs, pre-cast concrete components, machine foundations, supports and crane runway rails
- for interior and exterior use

Product features

- Anchoring product in accordance with DIN EN 1504-6
- Chloride-free
- Under-grouting heights from 5 - 60 mm

Advantages

- Highly flowable
- Cementitious
- Resistance to frost and thaw
- watertight
- Force-locking bond to concrete support layers

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Technical Data

Material properties

Product components	1 component system
Base material	Pre-blended dry mortar
Consistency	Flowable mortar
Grain size max	< 1 mm
Bulk density of fresh mortar	approx. 2.3 kg/dm ³
Discharge dimension	approx. 60 cm
Swelling dimension after 24 hrs.	> 0.5 %
Compressive strength (24 hrs.)	approx. 50 N/mm ²
Compressive strength (7 days)	approx. 70 N/mm ²
Compressive strength (28 days)	approx. 80 N/mm ²
Compressive strength (90 days)	approx. 90 N/mm ²
Flexural strength (7 days)	approx. 10 N/mm ²
Flexural strength (28 days)	approx. 12 N/mm ²
Flexural strength (90 days)	approx. 13 N/mm ²
Classification of the reaction to fire in accordance with DIN EN 13501-1	A1

Mixing

Mixing time	approx. 3 minutes
Water addition	Max. 3.5 l per 25 kg
Water addition (percentage)	approx. 14 %

Application

Substrate/application temperature	approx. 5 - 30 °C
Pot life	approx. 60 minutes
Method of application, max. layer thickness per application step	up to 60 mm
Consumption	approx. 2 kg/m ²

Processing equipment

Aids/tools

- Stirrer (approx. 500-700 rpm)
- Suitable mixing paddle
- Trowel
- Flat trowel
- Forced paddle mixer

Machine application

ASOCRET-VK30 can be mechanically applied. For precise information, see the additional Technical Information No. 43.

Preparing the substrate

Requirement for substrate

1. Firm
2. Grippy
3. Load-bearing
4. Free of adhesion inhibiting substances
5. The quality of concrete must be at least C20/25.
6. The tear-off strength of concrete substrates must not exceed an average of 1.5 N/mm² (lowest individual value 1.0 N/mm²).

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Preparing the surface

1. Remove loose / low strength layers from deeper damaged areas and build back to the solid core.
2. The formwork to be used must be secured in a stable manner and, if necessary, sealed.
3. Pre-moisten the dry substrate so that it is matt damp at the time of application.

Application

Mixing

1. Put approx. 3.2 l of water into a clean mixing bucket and mix with 25 kg of the powder component to produce a homogeneous, lump-free mass.
2. Pre-mix for approx. 3 minutes.
3. Finally, add the remaining water quantity and mix sufficiently.
4. The mixing time is ca. 3 minutes.

Application

1. Grouting / under grouting takes place from one side / corner only, so that the displaced air can escape more easily. Do not interrupt the grouting process.
2. For large-area grouting measures, start from the centre if possible. Funnels and/or appropriate tubing can be used to support this.
3. Carry out under-grouting measures continuously and without any interruption. Ensure a continuous flow of material.

Cleaning tools

Clean tools thoroughly with water after use.

Storage conditions

Storage

Cool, dry, protected from sunlight. Min. 12 months in the original canister. Promptly use opened container.

Notes

- Protect surfaces that are not to be treated from the effects of ASOCRET-VK30!
- For each grouting measure that has to be carried out as under-grouting, the run-out dimension (as described in additional technical information no. 43) must be set.
- Exposed surfaces must be protected from wind and draughts. Premature evaporation of water must be avoided by covering with film.
- Lower temperatures and cold mixing water delay the strength development and reduce the flowability. Higher temperatures accelerate the strength development.

Observe applicable safety data sheet!

Explanations

Conformity / Declaration / Verification

	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold (Germany) 16 2 06416	
DIN EN 1504-6:2006-11 ASOCRET-VK30 Anchoring product	
Pull-out resistance	≤ 0.6 mm
Chloride ion content	≤ 0.05%
Reaction to fire	A1
Hazardous substances	NPD

NPD = "No Performance Determined"

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