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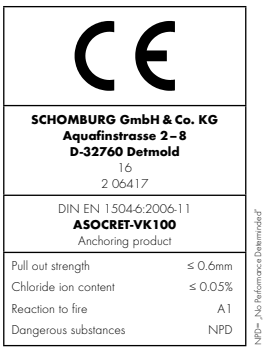
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Technical Data Sheet

ASOCRET-VK100 INDUCRET-VK100

Art.-No. 2 06417

Highly fluid mineral-based grouting mortar


CE

SCHOMBURG GmbH & Co. KG
Aquafinstrasse 2 – 8
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16
2 06417

DIN EN 1504-6:2006-11
ASOCRET-VK100
Anchoring product

Pull out strength	≤ 0.6mm
Chloride ion content	≤ 0.05%
Reaction to fire	A1
Dangerous substances	NPD

NPD= „No Performance Determined"

- Mineral-based
- For interior and exterior application
- Chloride free
- Highly fluid
- Resistant to frost and de-icing salts
- Water impermeable

ASOCRET-VK100 guarantees a strong adhesive bond to concrete and asphalt subfloors.

Areas of application:

ASOCRET-VK100 is used as an adhesive grout for filling voids from 20 to 100 mm deep e.g. for the void free grouting of:

- Kerbstones (e.g. Dresden Combibord)
- Pre-cast concrete elements
- Machine foundations, supports etc.
- Crane rails

Furthermore for the void free grouting of:

- Recesses and joints in concrete
- Steel inserts and channels in concrete
- Anchor bolts.

Technical Data:

Particle size:	4.0 mm
Wet density of fresh mortar*):	approx. 2.3 kg/dm³
Consumption:	approx. 2.0 kg/dm³
Water demand:	approx. 3.5 l / 25 kg ASOCRET-VK100
Pot life *):	approx. 60 minutes
Slump *):	after 5 min. ≥ 550 mm after 30 min. ≥ 450 mm
Expansion rate *):	after 24 h ≥ +3.0 % by volume
Shrinkage rate *):	
after 28 days	approx. 1.4 mm/m
after 90 days	approx. 1.9 mm/m
Compressive strength*):	
after 24 hrs	approx. 26.0 N/mm²
after 28 days	approx. 63.0 N/mm²
after 56 days	approx. 68.0 N/mm²
after 90 days	approx. 69.0 N/mm²
Flexural strength *):	
after 24 hrs	approx. 4.3 N/mm²
after 28 days	approx. 7.2 N/mm²
after 56 days	approx. 7.3 N/mm²
after 90 days	approx. 7.8 N/mm²
Cleaning:	Thoroughly clean tools with water after use.
Packaging:	25 kg bags.
Storage:	12 months when stored cool and dry in the original unopened packaging. Use opened packaging promptly.

*) These values relate to +23° C and 50% relative humidity.
**) PFT consistency testing tin on non absorbent substrate e.g. PE board, after 5 minutes. All specified data are indicative values, which are available from laboratory and site experience.

ASOCRET-VK100

Substrate preparation:
The substrate must be load-bearing, sound, have a good key and be free from materials detrimental to adhesion such as e.g. dust etc. Remove all loose or poorly bonded layers and repair back to a solid base including any deep voids. Remove laitance layers using suitable means e.g. high pressure washing, grit-blasting or hand scabbling. Pre-wet the substrate so that it is matt damp at the time ASOCRET-VK100 is applied. Avoid ponding.

Concrete quality:	min. C25/30
Asphalt subfloors:	0/16
Tensile adhesion strength:	≥ 1.5 N/mm²

Shuttering:
The shuttering used must be securely fixed and sealed as necessary.

Product preparation:
Hand application:
For each 25 kg ASOCRET-VK100, approx. 3.5 l of water is required. The use of a compulsory mixer is recommended for mixing. Initially place approx. 3.2 l water and 25 kg ASOCRET-VK100 in the mixer and mix for approx. 3 minutes. Then add the remaining water and mix for a further 2 minutes until homogenous and free from lumps. The mixture is then ready for immediate pouring.

Mechanical application:
ASOCRET-VK100 can be prepared in all conventional conveyor pumps or continuous mixing pumps (e.g. PFT G4 , PFT, Iphofen). To ensure correct operation and trouble free service with the equipment, refer to the relevant manufacturer's instructions.

Mechanical equipment:
Pipe length: max. 40 m
Pipe size: 25 - 35 mm
Stator/Rotor: D6-3 z
Secondary mixer: Rotormix for D pumps
Water quantity: approx. 325 – 350 l/h
Slump PFT consistency test tin: 58 ± 2 cm

Casting:
The casting or grouting is carried out exclusively from one side or corner so that displaced air can escape. The casting process should not be interrupted.
For casting procedures in large areas, it is recommended to begin from the middle where possible.
Hoppers and/or appropriate hoses can be used to assist the process. Firstly cast around anchoring recesses (approx. up to the top of the anchor recess) and then cast around machinery plates.

Important advice:
- Protect areas that are not to be treated from the effects of ASOCRET-VK100.
- Protect exposed areas from wind and draughts. Cover with polythene to prevent early water evaporation.
- Lower temperatures and cold gauging water delay the strength development and decrease the flow rate. Higher temperatures accelerate the strength development.

Please observe a current EU health and safety data sheet.
GISCODE: ZP1

This technical data sheet is a translation from German and does not consider local building codes or legal requirements. It shall be used as general reference for the product. Legally binding is only the latest German technical data sheet or the latest data sheet from one of our foreign subsidiaries inside their sales territory.