



## Technical Data Sheet

# ASOCRET®-VK30 INDUCRET-VK30

## Highly fluid mineral-based grouting mortar

**Art.-No. 2 06416**

<b>CE</b>	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold 16 2 06416	
DIN EN 1504-6:2006-11 <b>ASOCRET-VK30</b> Anchoring product	
Pull out strength	≤ 0.6mm
Chloride ion content	≤ 0.05%
Reaction to fire	A1
Dangerous substances	NPD

NPD - No Reference Detmold

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

ASOCRET-VK30 guarantees a strong adhesive bond to concrete and asphalt subfloors.

### Areas of application:

ASOCRET-VK30 is used as a casting grout for filling voids from 5 - 60 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: 0 - 1.0 mm  
 Wet density of fresh mortar \*): approx. 2.3 kg/dm<sup>3</sup>  
 Consumption: approx. 2.0 kg/dm<sup>3</sup>  
 Water demand: approx. 3.5 l/25 kg  
 Slump: approx. 60 cm  
 Expansion rate \*): approx. +0.5 - 1.0% by volume

Shrinkage rate\*):  
 after 28 days approx. 1.2 mm/m  
 after 90 days approx. 1.4 mm/m

Compressive strength \*):  
 after 24 hrs approx. 50.0 N/mm<sup>2</sup>  
 after 7 days approx. 70.0 N/mm<sup>2</sup>  
 after 28 days approx. 80.0 N/mm<sup>2</sup>  
 after 90 days approx. 90.0 N/mm<sup>2</sup>

Flexural strength \*):  
 after 24 hrs approx. 6 N/mm<sup>2</sup>  
 after 7 days approx. 10 N/mm<sup>2</sup>  
 after 28 days approx. 12 N/mm<sup>2</sup>  
 after 90 days approx. 13 N/mm<sup>2</sup>

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.

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# ASOCRET®-VK30

## 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-VK30 is applied. Avoid ponding.

Concrete quality:	min. C25/30
Asphalt subfloors:	0/16
Tensile adhesion strength:	$\geq 1.5 \text{ N/mm}^2$

## Shuttering:

The non-absorbent shuttering used must be securely fixed and sealed as necessary.

## Product preparation:

### Hand application:

For each 25 kg ASOCRET-VK30, 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-VK30 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 mix is then ready for immediate pouring.

### Mechanical application:

ASOCRET-VK30 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:  $60 \pm 1 \text{ cm}$

## Pouring:

Pouring or grouting is carried out exclusively from only one side or corner so that entrapped air can escape. The pouring process should not be interrupted.

For grouting large areas, it is recommended that this is started in the middle if possible. Hoppers and/or appropriate pipes can also be used as auxiliary equipment. Firstly grout anchoring holes (up to approx. under the top edge of the anchor hole) and then the machine base.

## Important advice:

- Protect areas that are not to be treated from the effects of ASOCRET-VK30.
- With each grouting operation ensure that the slump value is adjusted as above before starting the pour. Furthermore each grouting operation must be carried out continuously and without any interruption. Ensure there is a continuous flow of material.
- 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**