



## Technical Data Sheet

# INDUCRET®-VK30

## Highly fluid mineral-based grout

**Art.-No. 5 50001**

### Properties:

INDUCRET-VK30 is:

- cement-based
- chloride free
- pumpable
- easy to use at low temperatures
- highly fluid
- insensitive to cracking
- resistant to frost and thawing salts
- water impermeable
- resistant to oil and petrol
- low chromate conforming to TRGS 613.

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

### Areas of application:

INDUCRET-VK100 is used as an adhesive grout for depths from 5 to 30mm e.g. for the void free grouting of:

- kerbstones
- pre-cast concrete elements
- steel and concrete supports
- machine foundations
- generators/compressors and other machinery exposed to high levels of vibration
- crane rails.

Furthermore for the void free grouting of:

- recesses and joints in concrete
- steel inserts and channels in concrete
- anchor bolts.

INDUCRET-VK30 is a component of the INDUCRET-VK-Element system.

### Technical Data:

Particle size: 0 – 1.0 mm  
Wet density of fresh mortar \*): 2.27 kg/dm<sup>3</sup>

Consumption:	2.00 kg/dm <sup>3</sup>
Water demand:	approx. 13%
Pot life *):	approx. 30 minutes
Slump *):	after 5 min. ≥ 550 mm after 30 min. ≥ 450 mm
Expansion rate *):	after 24 h ≥ +3.1 % of volume
Shrinkage rate*):	- 1.2 mm/m after 28 d - 1.4 mm/m after 90 d
Compressive strength (DIN 1164) *):	40.0 N/mm <sup>2</sup> after 24 h 76.0 N/mm <sup>2</sup> after 28 d 81.0 N/mm <sup>2</sup> after 56 d 82.0 N/mm <sup>2</sup> after 90 d
Flexural strength *):	6.4 N/mm <sup>2</sup> after 24 h 9.2 N/mm <sup>2</sup> after 28 d 8.9 N/mm <sup>2</sup> after 56 d 9.4 N/mm <sup>2</sup> after 90 d

\*) These values refer to +20 °C and 65% relative humidity.

### Cleaning:

Thoroughly clean tools with water after use.

### Packaging:

25 kg bags.

### Storage:

9 months when stored dry and free from frost above +10 °C in the original closed packaging. Use opened packaging promptly.

### Surface preparation:

The area to be treated must be:

- solid, load bearing and have a good key
- free from separating substances.

Dependent on the condition of the substrate use suitable means of preparation such as e.g. high pressure washing, grit blasting or other methods.

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# INDUCRET®-VK30

Concrete quality:	min. C30/35
Asphalt subfloors:	0/16
Tensile adhesion strength:	1.5 N/mm <sup>2</sup>

Prior to grout application the substrate (concrete) should be adequately wetted; avoid puddle formation.

## Shuttering:

The non-absorbant shuttering used must be securely fixed.

## Product preparation:

INDUCRET-VK30 is delivered ready for use and only requires mixing with water. Fill the prepared forced paddle mixer with approx. 13 % water (relates to approx. approx. 3.25 litres per 25 kg) leaving out a residual amount, add the bag contents and mix for approx. 3 minutes. Add the remaining water and mix for a further 2 minutes. The mix is immediately ready for casting.

## 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 large casting procedures it is recommended that where possible to begin from the middle. Hoppers and/or appropriate pipes can be used as auxiliaries. Firstly cast around anchoring recesses (approx. up to the top of the anchor recess) and then cast around machinery plates.

Pot life: approx. 60 minutes.

## Important advice:

- 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.
- Consult the SCHOMBURG ICS GmbH technical advisory department when there is frost.
- Protect areas that are not to be treated from the effects of INDUCRET-VK30.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical Services Department of SCHOMBURG ICS GmbH.

Please observe a current EU health and safety data sheet.

GISCODE: ZP1