



## Technical Data Sheet

# INDUCRET®-VK-60-SV

## Rapid grouting mortar

**Art.-No. 5 50018**

### Properties:

INDUCRET-VK-60-SV is a rapid grouting mortar with the following properties:

- cement-based
- chloride free
- free from materials that cause corrosion
- highly fluid
- pumpable
- non-shrink
- develops high early initial and final strengths
- takes loads after 2 hours
- resistant to frost and thawing salts with optimum compaction and is resistant to oil and petrol
- highly productive due to short mounting times
- low chromate conforming to TRGS 613
- guarantees a strong adhesive bond to concrete bases.

### Areas of application:

INDUCRET-VK-60-SV is used as a rapid grouting mortar for depths from 20 to 60mm e.g. for the void free grouting of:

- machine foundations
- pre-cast concrete elements
- steel and concrete supports
- crane rails.

Furthermore for the grouting of:

- anchoring bolts
- traction anchors.

### Technical Data:

Particle size:	0 – 4 mm
Grouting depth:	20 – 60 mm
Water demand:	12.5 %
Consumption:	approx. 2.0 kg/dm <sup>3</sup>
Flow:	> 30 cm
Slump:	approx. 65 cm
Compressive strength: (at +20 °C)	15 N/mm <sup>2</sup> after 2 hours

20 N/mm <sup>2</sup> after 4 hours
32 N/mm <sup>2</sup> after 8 hours
40 N/mm <sup>2</sup> after 28 hours
50 N/mm <sup>2</sup> after 3 days
60 N/mm <sup>2</sup> after 7 days
67 N/mm <sup>2</sup> after 28 days

Flexural strength:  
(at +5 °C)

10 N/mm <sup>2</sup> after 2 hours
14 N/mm <sup>2</sup> after 4 hours
26 N/mm <sup>2</sup> after 8 hours
36 N/mm <sup>2</sup> after 28 hours
44 N/mm <sup>2</sup> after 3 days
54 N/mm <sup>2</sup> after 7 days
63 N/mm <sup>2</sup> after 28 days

Expansion rate:

+0.6%

Pot life:

approx. 35 – 45 minutes  
at +20 °C

approx. 45 minutes at +5 °C

The values given are guides determined under standard climatic conditions +23/50-2

### Cleaning:

Thoroughly clean tools with water after use.

### Packaging:

25 kg bags.

### Storage:

6 months when stored dry and free from frost above +10 °C in the original closed packaging.

### 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®-VK-60-SV

Concrete quality: min. C20/25  
Tensile adhesion strength: average > 1.5 N/mm<sup>2</sup>

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

## Shuttering:

The shuttering used must be securely fixed and thoroughly blanked with sand or dry mortar.

## Product preparation:

INDUCRET-VK-60-SV is delivered ready for use and only requires mixing with water. Fill the prepared forced paddle mixer with 12.5 % water (relates to approx. 3.125 litres per 25kg) 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:

Apply the packing mortar without voids and thoroughly compact.

## 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 contamination with INDUCRET-VK-60-SV rapid grouting mortar.

Please observe a current EU health and safety data sheet.

GISCODE: ZP1