



Technical Data Sheet

INDUCRET®-VK-115

Art.-No. 5 50046

Highly fluid mineral-based grouting concrete

Properties:

INDUCRET-VK-115 is:

- cement-based
- chloride free
- high end and final strengths
- contains Microsilica
- low w/c ratio
- 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-VK-115 guarantees a strong adhesive bond to concrete subfloors.

Areas of application:

INDUCRET-VK-115 is used as an adhesive grout for depths from 40 to 120 mm e.g. for the void free grouting of:

- pre-cast concrete elements
- steel and concrete supports
- machine foundations
- generators/compressors and other machinery exposed to high levels of vibration
- crane tracks and container track systems
- wind power stations.

Certification:

In accordance with the grouting mortar guideline of the DAfStb (German committee for reinforced concrete).

Technical Data:

Particle size:	0 – 6 mm
Wet density of fresh mortar *):	2.40 kg/dm ³
Consumption:	2.20 kg/dm ³
Water demand:	approx. 10 %

Pot life *):	approx. 30 minutes
Slump *):	after 5 min. \geq 810 mm after 30 min. \geq 800 mm
Expansion rate *):	after 24 h \geq +0.6 % of volume
Shrinkage rate *):	-0.828 mm/m after 91 d
Compressive strength (DIN EN 12390-3):	81.0 N/mm ² after 24 h 96.0 N/mm ² after 7 d 115.0 N/mm ² after 28 d 125.0 N/mm ² 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.

Surface preparation:

The area to be treated must be:

- solid, load bearing and have a good profile
- 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.

Concrete quality: min. C30/35

Tensile adhesion strength: \geq 1.5 N/mm²

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

Formwork:

The formwork used must be securely fixed.

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Product preparation:

INDUCRET-VK-115 is delivered ready for use and only requires mixing with water. Fill the prepared forced paddle mixer with approx. 10 % water (relates to approx. 2.50 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 can not be interrupted.

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

Important advice:

- Protect exposed areas from wind and drafts. Cover with polythene to prevent early water evaporation.
- Lower temperatures and cold mixing 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-VK-115.
- 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