



INDUCRET®-VK-70-USM

Packing mortar

Art.-No. 5 50017

Properties:

INDUCRET-VK-70-USM is a packing mortar with the following properties:

- cement-based
- chloride free
- free from materials that cause corrosion
- non-shrink
- develops extremely high initial and final strengths
- resistant to frost and thawing salts with optimum compaction and is resistant to oil and petrol
- low chromate conforming to TRGS 613
- guarantees a strong adhesive bond to concrete bases.

Areas of application:

INDUCRET-VK-70-USM is used as a packing mortar for depths from 30 to 70mm e.g. for the void free packing of:

- kerbstones
- pre-cast concrete elements
- steel and concrete supports.

Furthermore for the filling of:

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

Technical Data:

Particle size:	0 – 4 mm
Packing depths:	30 – 70 mm
Water demand:	12%
Consumption:	approx. 1.98 kg/dm ³
Expansion rate:	0.5%
Pot life:	approx. 30 minutes
Compressive strength:	11 N/mm ² after 2 hours 16 N/mm ² after 4 hours 18 N/mm ² after 24 hours 37 N/mm ² after 7 days 45 N/mm ² after 28 days

Flexural strength:	2.3 N/mm ² after 2 hours 2.6 N/mm ² after 4 hours 3.9 N/mm ² after 24 hours 5.9 N/mm ² after 7 days 6.4 N/mm ² after 28 days
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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.

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

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.

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Product preparation:

INDUCRET-VK-70-USM is delivered ready for use and only requires mixing with water. Fill the prepared forced paddle mixer with 12% water (relates to approx. 3.0 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.

Packing:

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-70-USM packing mortar.

Please observe a current EU health and safety data sheet.

GISCODE: ZP1