



Technical Data Sheet

INDUCRET®-VK-Inject

Epoxy resin based injection resin

Art.-No. 5 50024

Properties:

INDUCRET-VK-Inject is an epoxy resin based injection resin with the following properties:

- solvent free
- transparent
- resistant to alkalis, dilute acids, salt solutions, fuel and minerals
- resistant to freeze-thaw cycles.

Areas of application:

INDUCRET-VK-Inject is used for the adhesive sealing of cracks and joints in concrete and concrete sections.

Technical Data:

Basis:	two component epoxy resin
Viscosity:	approx. 380 m Pa s
Density:	approx. 1,06 g/cm ³
Mixing ratio:	2:1 parts by weight (A:B)
Pot life:	approx. 60 minutes at +10° C approx. 45 minutes at +20° C approx. 12 minutes at +30° C

Minimum cure temperature:	+8° C
Ready for overcoating:	after approx. 16 to max. 24 hours at +23° C
Ready for light traffic:	after approx. 48 hours at +23° C
Fully ready for traffic:	after approx. 7 days at +23° C
Water absorption:	approx. 1.5% by weight
Volume shrinkage:	approx. 3.8%
Linear shrinkage:	approx. 0.36%
Saponification number:	0
Adhesion to concrete:	Concrete failure (>1,5 N/mm ²)
Packaging:	INDUCRET-VK-Inject is available in 1 kg containers.

Components A and B are provided in a predetermined ratio.

Storage: 18 months when stored dry and cool above +10° C in the original unopened containers.

Cleaning: Tools must be cleaned immediately after use with INDU-IB-Cleanser.

Application tools: Hand lever press, foot operated press, low pressure equipment.

Substrate:

The following criteria must be fulfilled for cementitious areas:

- Concrete classification: min. C20/25
- Age: min. 28 days
- Adhesion strength: 1,5 N/mm²
- Residual moisture: <4% (carbide hygrometer)

Product preparation:

Components A (resin) and B (hardener) are delivered in a predetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains completely from its container.

Mixing of the components is to be carried out with a suitable mixer at approx. 300 rpm (e.g. drill with paddle). It is important to stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is homogenous (free from striations); mixing time approx. 5 minutes. The minimum temperature during mixing should not fall below +15° C. Do not use the mixed material directly from the packaging. Decant the material into a clean container and thoroughly mix through once again.

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Application method / consumption:

1. Drill existing cracks (crack width 0.2 mm) at a distance of approx. 20 cm apart.
2. Free the bore holes from drilling dust with oil free compressed air.
3. Insert injection packers.
4. Block off the inserted injection packers and the crack zone surface with INDUCRET-VK-4020 (concrete adhesive). Strip width approx. 15 cm.
Consumption: approx. 300 g/m.
5. Inject the thoroughly mixed INDUCRET-VK-Inject with the appropriate injection equipment once the crack blocking material has hardened. Vertical cracks: begin injection from below.
Horizontal cracks: begin injection from the left.
Consumption: approx. 1 kg/litre.
6. If necessary, once the injection resin has hardened, remove the injection packers and close off the bore holes with INDUCRET-VK-4020 (concrete adhesive) and adjust to the concrete surface.

Health and safety:

Once cured INDUCRET-VK-Inject is harmless. The hardener (component B) is corrosive. During product application observe the government health and safety protective directive as well as the advice given on the packaging.

Important advice:

- 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.
- Cured product residues should be disposed of under waste disposal classification 57123 "epoxy resin".

Please observe a valid EU safety data sheet!

GISCODE: RE1