



## Technical Data Sheet

# INDUCRET®-VK 6040

## Sewerage resistant joint sealant

**Art.-No. 5 50034**

### Properties:

INDUCRET-VK6040 is a sewerage resistant joint sealant with the following properties:

- two component and thixotropic
- highly resistant to microbiological and chemical exposure
- resistant to roots
- resistant to water pressure up to 2 bar
- elastic in the range  $-40\text{ °C}$  to  $+80\text{ °C}$   
INDUCRET-VK6040 has a practical deformation of 20% of the joint width.

### Areas of application:

INDUCRET-VK6040 is used:

- for waterproofing movement joints exposed to chemicals and/or bacteria as well as mechanical influences (water pressure, earth contact). E.g. in
- sewerage treatment works, sewerage pipes, dams, storage reservoirs etc.
- construction foundations with exposure to seepage water
- agricultural buildings such as composting plants, agricultural slurry – loading points, landfill sites, storage areas for fertilizers and animal feed.

INDUCRET-VK6040 may not be used if the sealant is subjected to oxidising acids (e.g. nitric acid) and alkalis (e.g. bleach). Furthermore INDUCRET-VK6040 may not be used as a joint sealant.

### Technical Data:

Basis:	2 component polysulphide
Colour:	black
Consistency:	paste, thixotropic and trowellable
Mixing ratio:	100:10 by weight
Construction unit temperature:	$+5\text{ °C}$ to $+40\text{ °C}$
Pot life:	approx. 2 hours at $+20\text{ °C}$ / 65% relative humidity

Through cure:	after approx. 24 – 48 hours at $+20\text{ °C}$ / 65% relative humidity
Shore-A-hardness:	approx. 30
Max. deformation:	20% of joint width
Shrinkage:	none

### Cleaning:

Thoroughly clean tools immediately after use with INDU-IB Cleanser.

### Packaging:

INDUCRET-VK6040 is available in 2.5 litre containers. Component A and component B are to be found in a predetermined mixing ratio.

### Storage:

12 months if stored cool and dry above  $+10\text{ °C}$  in the original unopened packaging.

### Surface preparation:

The contact areas to be treated must be:

- dry, solid, load bearing and have a good key
- free from separating or adhesion inhibiting substances such as e.g. dust, laitance, grease, paint residues etc.
- protected from moisture penetration from the rear.

Use suitable means to prepare the substrate dependent on its condition such as e.g. planing, brushing, grit-blasting.

The following criteria are to be fulfilled dependent on the particular substrate:

### Cementitious surfaces:

- Concrete quality: min. C20/25
- Screed quality: EN 13813 CTC25-F6
- Render quality: P III
- Age: min. 28 days

---

# INDUCRET®-VK6040

- Tensile adhesion strength: = 1.5 N/mm<sup>2</sup>  
(render: 0.8 N/mm<sup>2</sup>)
- Residual moisture: < 4.0% (carbide hygrometer)

## Design considerations:

The design considerations for the construction of the joint must conform to DIN 18 540 and IVD (Industrial sealants association) data sheet No. 1 and be inspected on site. In particular the joint width must be so measured that the total movement of the joint is not greater than that for which the sealant is suitable. Especially with components with vehicular traffic the joint edges are to be prepared for filling by chamfering. The chamfer must not be filled.

## Product preparation:

Components A (resin) and B (hardener) are delivered in a predetermined mixing ratio. The solid component B is contained in the liquid component A. Mixing of the components is to be carried out with a suitable mixer (e.g. drill with TKF mixing paddle). It is important to also 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 5 minutes. Ensure that air is not entrained. This is avoided by using the TKF paddle. The minimum temperature during mixing and pouring should not drop below +10 °C. The substrate components should not be below +5 °C or above +40 °C. The homogeneously mixed sealant is then filled into the joints and smoothed using a sealant gun e.g. Fließpistole TKF. The joint edges are to be masked beforehand. Remove rising air bubbles within the pot life by lightly tooling with a polishing stick or a smooth flat brush.

## Method of application / consumption:

In order to prepare the joint and to establish the correct joint depth and to avoid a three-sided bond, tightly insert a non-absorbent, rot resistant, closed-cell back-filling material. If this is not possible cover the base of the joint with a separating material (polythene, silicone paper).

## Substrate:

Contact area e.g. concrete:  
Prime the joint edges with INDUCRET-VK-Primer S.  
Allow sufficient drying time, min. 30 mins, max. 4 hours (see technical data sheet).

## Substrate:

Contact area e.g. cast steel, polymer modified concrete:  
Use the bonding primer INDUCRET-VK-Primer on the joint edges with non-porous substrates. Allow sufficient time to dry (see technical data sheet).

- 1) Before applying the joint sealant, mask around the joint with self adhesive tape to protect against contamination. With chamfered joints, the material must not be filled into the chamfers.
- 2) Application of the sealant: Apply the thoroughly mixed INDUCRET-VK6040 to the joint using a suitable tool (e.g. sealant gun – Fließpistole TKF) or with a trowel. Before the product hardens remove the masking tape. Subsequently smoothen the sealant with a polishing stick. The INDUCRET-VK6040 consumption is calculated using the formula: joint width (mm) x filling depth of sealant (mm) = ml/m of joint.  
Example:  
Joint dimensions 10 x 20 mm = 200 ml/m.

During the setting process do not permit early exposure (very high temperature variations).

## Health and safety:

INDUCRET-VK6040 can be handled without any particular protective measures. Simply refrain from skin contact, which is usual when using chemicals. Always comply with the government health and safety protective directive.

## Important advice:

- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time.
  - The bond between the individual coats to one
-

---

# INDUCRET®-VK6040

another can be heavily impeded through the influence of dampness or contamination between the applied coats.

- When longer waiting times occur after the application of the primer the surface must be well cleaned and abraded, after which the primer is re-applied.
- 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 are to be disposed of as household waste. The individual components A and B are to be disposed of under waste disposal classification 08 04 06 (adhesives and sealants, which contain no halogenated solvents). Thoroughly emptied containers can be disposed of using the recycling system.

Please observe a valid EU safety data sheet.