



Technical Data Sheet

INDUCRET®-VK6050

Joint seal EP/PU

Art.-No. 5 50035

Properties:

INDUCRET-VK6050 is a two-component, pourable, self-levelling joint filler with the following properties:

- viscoplastic
- resistant to fuel, technical oils, alkalis, diluted acids, salt solutions and resistant to weathering and ageing.

Areas of application:

INDUCRET-VK6050 is used as a self-levelling floor joint in interior areas for the elastic sealing of heavy duty areas in warehouses and production areas.

Technical Data:

Basis:	2 component epoxy/polyurethane
Colour:	grey
Consistency:	pourable
Density:	approx. 1.35 g/cm ³
Application temp:	min. +8 °C / max. +30 °C
Pot life:	approx. 40 minutes at +20 °C / 65% relative humidity, approx. 15 minutes at +30 °C / 65% relative humidity
Through cure:	after approx. 7 days at +20 °C / 65% relative humidity
Shore-A-hardness:	approx. 80 at +20 °C
Joint movement:	approx. 3% of the joint width at +20 °C substrate unit temperature

Cleaning:

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

Packaging:

INDUCRET-VK6050 is available in 4 kg containers. Component A and component B are to be found in a predetermined mixing ratio.

Storage:

18 months if stored cool and dry above +10 °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.

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

Cementitious surfaces:

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CT-C25-F4
- Age: min. 28 days
- Tensile adhesion strength: > 1.5 N/mm²
- 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. Tip component B into 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

INDUCRET®-VK6050

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 +8 °C or above +30 °C. The homogeneously mixed sealant without bubbles is then filled into the joints and smoothed. The joints 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:

- 1) Backfill the prepared joints with a round closed-cell foam backing strip ensuring that the backing strip will not be damaged.
- 2) Prime the joint edges (porous contact surfaces e.g. concrete with INDUFLOOR-IB1225). Allow sufficient time to dry (min. 6 hours).
- 3) Before applying the sealant mask around the joint with self-adhesive tape to avoid contamination.
Installation of the sealant: Extrude the thoroughly mixed INDUCRET-VK6050 into the joint using a sealant gun. The material consumption of INDUCRET-VK6050 is calculated from the formula:
joint width (mm) x filling depth of sealant (mm) x density of the joint sealant = g/m of joint.
Example:
Joint dimension: 10 x 20 mm x 1.35 g/cm² = 270 g/m. During the setting process do not permit early exposure (very high temperature variations, trafficking with direct contact).

Health and safety:

Once cured INDUCRET-VK6050 is harmless. The hardener (component B) is corrosive. When using this product the government health and safety protective directive, data sheet M 023, should be observed as well as the advice on the packaging.

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 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 thoroughly 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 under waste disposal classification 57123 epoxy resins. Thoroughly emptied containers can be disposed of using the recycling system.

Please observe a valid EU safety data sheet.

GISCODE: RE 1