



Technical Data Sheet

INDUFLEX-VK6060

Art.-No. 5 55108

Elastic 1-component polyurethane joint sealing adhesive

Properties:

- Good chemical and mechanical resistance.
- Low sensitivity to chamfers.
- High resistance to tear propagation.
- Approved total deformation: 25%.
- Suitable for load classes A, B and C.
- Resistant to weathering and aging

Areas of application:

Used for the elastic sealing of floor, wall and connecting joints in:

- parking decks, car parks, underground car parks, concreted open spaces, store and manufacturing shops
- Sewage and waste water treatment plants
- Tunnel construction
- Food industry e.g. industrial kitchens, dairies etc.

Technical Data:

Basis:	1-Comp. Polyurethane
Colour:	grey
Consistency:	thixotropic
Density:	approx. 1,30 g/cm ³
Substrate Temperature:	between +5° C and + 35° C
Ambient Temperature:	between +5° C and + 40° C
Skin formation:	60 – 90 min. **
Curing rate:	approx. 2 mm/24 h **
Joint Dimensions:	min. 10 mm/max. 40 mm, dependant on mechanical loading
Working Time:	approx. 2 hours at 23° C and 65% r.h.
Shore A hardness:	approx. 35 after 28 days **
Tear Strength:	approx. 8 N/mm
Tension:	approx. 0,6 Mpa/100% Elongation **
Elongation at Break:	approx. 700% **
Elastic Recovery:	>80% **
Approved total deformation:	approx. 25 % of joint width

Service Temperature: between -40° C and +80° C

**+23° C / 50% r.h.

Packaging:

600 ml sausages
(1 carton = 20 sausages)

Storage:

15 months when stored cool and dry above +10° C in the original sausages.

Surface preparation:

The contact surface to be treated must be:

- dry, firm, sound and have a good grip
- free from separating and adhesion inhibiting substances such as dust, laitance, grease, oil, rubber marks, paint residues and similar

Design requirements:

The constructive prerequisites of the joint must be according to DIN 18 540 or the IVD leaflet Nr. 1
The joint width must be calculated so that the cumulative motion of the joint is not higher than suitable for the sealing material.

In areas where the joints will be subjected to vehicular traffic, joint edges must be prepared for application by saw-cutting/milling. The joint should be filled to just below the saw-cut (chamfers should not be filled). For high water pressure load, e.g. in sewage and waste water treatment plants, an additional stable back filling should be installed below the backer rod (e.g. sand filling and /or Styrodur-strips)

Mixing Instructions:

INDUFLEX-VK 6060 is delivered ready-to-use in 600 ml sausage packs, and is applied with a suitable applicator gun. Using a suitable smoothing tool press the dispensed joint material into the joint flanks and back filling profile. When required the joint surface

INDUFLEX-VK6060

can be smoothed, within the working time, with a smoothing wood or soft brush by using smoothing liquid.

Method of Application/Consumption:

1. Prepare joints with INDU-Backerrod; do not damage the round profile.
2. Prime the joint edges: for porous areas and metal surfaces use INDUFLEX-Primer S. Allow adequate time to flash-off – min. approx. 30 minutes, max. up to 8 hours (+23° C / 65% r.h.).
3. Prior to application of the sealant mask the joint edges with self-adhesive tape.
4. Insert cartridge into applicator gun and firmly extrude INDUFLEX-VK6060.

Consumption:

Example: Joint dimension:

20 mm width and 17 mm filling depth = 1.8 m per 600 ml sausage.

During the curing time early loads are (e.g. very high temperature differences; Traffic loads with immediate contact) exclude.

Health and safety:

INDUFLEX-VK6060 can be handled without special precautions. Direct skin contact should be avoided, as in general when handling chemicals. The use of rubber gloves is recommended. Immediately clean up spills with soap and water.

Important advice:

- Bonding of subsequent coats (layers) to each other can be negatively affected by the presence of moisture and dirt.
- If a longer waiting time occurs after applying the primer, it must be thoroughly clean and roughened, followed by a fresh application.
- Do not use INDUFLEX-VK6060 in swimming pools.
- Granite and natural stone substrates can generally be treated like concrete surfaces.

- Do not paint over INDUFLEX-VK6060.
- Do not apply INDUFLEX-VK6060 onto bituminous substrates, EPDM and natural rubber or building materials which might bleed oils, plasticizers or solvents, which could attack the sealant.
- Avoid contact of the uncured material with isocyanate substances, e.g. alcohol containing cleaners).
- 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 household waste.

Please observe a valid EU safety data sheet!