



PROXAN®- KV 3 is a two-component sealant based on polysulphide polymer with general technical approval (Z-74.6-119, 120, 145) for use in facilities for the storage, filling and handling of water endangering liquids.

The type PROXAN®- KV 3 G is castable and self-levelling and suitable for sealing horizontal floor joints with a slope of max. 3 %. The type PROXAN®- KV 3 ST (stable) is used for sealing pedestal and wall joints as well as for joints with a slope of more than 3 %.

Once the sealant has cured, the elastic joint seal can accommodate changes in the initial joint gap width of up to 35 %.

## Use

Preferably for the sealing of joints in floors and adjacent areas between building parts, which are, apart from mechanical loads by traffic or by temperature depending movements of the building parts, exposed to chemical loads by mineral oil products and chemicals. In combination with the use of suitable bonding agents and under consideration of corresponding constructive joint design the joint sealant PROXAN®- KV 3 prevents reliably from the penetration of substances hazardous to water into the ground area of the following contact bodies:

- concrete
- cut asphalt and semi-rigid road surfaces
- cast steel, polymer concrete
- Primer PROXAN®- CP-P / CP-S
- Primer PROXAN®- CP-A
- Primer PROXAN®- CP-G

The permissible exposure time for the different groups of pollutants has to be learned from the general technical approval, appendix 1 in combination with enclosure 11. The main application areas are therefore all plants for containment, handling and filling of substances hazardous to water.

Furthermore PROXAN®- KV 3 ST serves as adhesive for joint tape PROXAN®- FB 3.

PROXAN®- KV 3 cannot be used for joints that are permanently below the surface of liquids, such as sedimentation tanks and swimming pools or that are exposed to strong and/or oxidising acids (i.e. nitric acid) and leach (i.e. chlorine bleaching).

## Application instructions

The joints to be sealed have to be clean, dry and free from loose particles, mortar residuals, dust, grease, dirt and similar. The temperature (measured at the building part!) is not allowed to be below +5 °C and above +40 °C. The temperature of the joint sealant should be at least +10 °C at the application.

At absorbent substrate (concrete) the bonding areas have to be prepared with the Primer PROXAN®- CP-P or - CP-S. The primer has to be applied on dry substrate (max. 4 % residual moisture) and it has to vent depending on the ambient temperature for 30 minutes to 2 hours, without drying completely. Non absorbing substrate (cast steel, polymer concrete) has to be pre-coated with Primer PROXAN®- CP-G. The vent time is 10 to 30 minutes. Joint flanks made out of cut asphalt or semi-rigid covers have to be pre-coated with Primer PROXAN®- CP-A. The vent time is 2 to 6 hours.

In order to achieve the correct sealing depth and to avoid the three-flank-bonding the joint has to be backfilled with a non-absorbing material (PE-round profile, closed cell). If this is impossible the joint ground has to be covered with a separating material (PE-foil, silicone paper). At chamfered building parts the chamfer is not allowed to be filled.

### Central Sales

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The component A and B of the Joint Sealant PROXAN®- KV 3 have now to be mixed. For the type PROXAN®- KV 3 G the separately packed component B will be added to the component A and mixed using an adequate tool (i.e. blade agitator) until the mixture is completely homogenous and without white stripes. Make sure that no air is stirred in – stir with low speed!

The component A and B of the type PROXAN®- KV 3 ST are already packed in one tin and will also have to be mixed in the above mentioned way (e.g. paddle mixer). The so prepared sealant will be applied into the joints with adequate tools (e.g. by hand or hand or air gun). At the castable type possibly occurring air bubbles have to be removed during the application time by gently brushing over the surface with a soft brush or a piece of smoothing wood.

Before the application of PROXAN®- KV 3 ST the edges of the joint should be taped off first. Before curing the applied sealant has to be smoothened and the tapes have to be removed.

## Form of supply

### PROXAN®- KV 3 G - castable

Comp. A and B packed separately

2,5 l-tin	4 pcs / unit
4,0 l-tin	4 pcs / unit
10,0 l-bucket	30 pcs / pal
25,0 l-tin	14 pcs / pal

### PROXAN®- KV 3 ST - stable

Comp. A and B packed together

2,5 l-tin	4 pcs / unit
4,0 l-tin	4 pcs / unit
450 ml-cartridge	12 pcs / unit

## Technical Data

	PROXAN®- KV 3 G	PROXAN®- KV 3 ST
Polymer base:	Polysulphide	Polysulphide
Application time (23 °C, 50 % RM):	approx. 120 min	approx. 120 min
Curing (23 °C, 50 % RM):	after approx. 24 h	after approx. 24 h
Max. allowed deformation:	35 % of the joint width	35 % of the joint width
Shore-A-hardness:	approx. 12	approx. 15
E 140:	approx. 0,25 N/mm <sup>2</sup>	approx. 0,3 N/mm <sup>2</sup>
Colour:	grey, black	grey, black
Mixing ratio A:B:	100:10	100:10

## Storage

Dry, at temperatures below +25 °C in unopened original packaging storable for 12 months. Joint Sealant PROXAN®- KV 3 is not frost susceptible, but has to be brought to minimum +10 °C before application.

## Disposal

Cured joint sealant PROXAN®- KV 3 can be disposed of as municipal waste. The individual A and B components are wastes requiring special monitoring and must be disposed of as such. More information can be found in the safety data sheet.

## Work safety

You can learn the essential physical and safety related, toxicological and ecological data for the handling of chemical materials from the EC safety data sheet.

The regulation of the hazardous substances ordinance has to be observed.

This product information corresponds to our latest available information. The processor is obliged to test the suitability and application options for the intended purpose. We shall be pleased to advise if you have any questions about our product. Our Terms and Conditions of Business apply, which can be found at [www.dga.de](http://www.dga.de).

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