

**Products for  
sealing surfaces**



# PROXAN®-Sealants



Joint sealing with PROXAN®- KV 3 G

## **dga-Group – Quality and competence all about bitumen!**

Dortmunder Gußasphalt GmbH & Co. KG has been a leading manufacturer of bituminous road construction materials for more than 40 years. At a total of six sites throughout Germany, we manufacture a broad product portfolio covering all stages and aspects of road construction from construction of new roads to surface treatment and restoration.

Besides an extensive standard range, we offer our customers tailor-made solutions for their individual applications – from advice to development all the way to the finished product.

The focus here is on the production of cold applied products based on polysulphide. Besides filling the joints in road surfaces, our polysulphide-based sealants are suitable for application in vertical and horizontal joints, as in tunnel construction for instance. We provide custom-formulated sealants aimed at the storage, filling and handling of water endangering liquids. These have a general technical approval by the DIBt. The technically approved joint tapes and repair mortar are also suitable for facilities for the storage, filling and handling of water endangering liquids.

To ensure optimum adhesion on the existing surface, we provide custom-formulated primers for each sealant. The portfolio of the dga-Group is rounded off by diverse tools, the application device PROXAN®- FLEXOMAT plus appropriate accessories. They help ensure reliable application of the sealants and easy cleaning of the tools.

Discover for yourself our expertise in road construction with our cold applied PROXAN®- products, their primers and application tools.

We provide everything for optimally filling your joints from a single source.

# PROXAN®-Sealants



The two-component PROXAN®- joint sealants of the dga-Group are distinguished by their unique properties specially formulated for the individual application. They therefore provide high variability in application: The sealants can be applied in the construction of roads, bridges, railways and tunnels as well as on aircraft operation areas and in facilities for the storage, filling and handling of water endangering liquids. In the latter, they serve for sealing the joints against penetration into the ground by substances harmful to water.

Our portfolio also includes a joint sealant suitable for concrete motorways that has passed the BAM performance test.



The custom-formulated primers also ensure optimum adhesion on highly diverse substrates.

Our polysulphide-based sealants are available in pourable form for horizontal joints and stable form for vertical joints, as well as variants in different colours.

Our joint tape and repair mortar also ensure reliable sealing of road surfaces with high chemical resistance.

Our PROXAN®- tools, such as flow guns and PROXAN®- FLEXOMAT application tool, are perfectly designed for filling joints with our sealants. The portfolio is rounded off by accessory parts for applying the primers, container holders and mixers for ready-to-use mixing of the sealants as well as cleaners for the tools.



## The benefits of our two-component PROXAN<sup>®</sup> polysulphide-based joint sealants:

- cold applied
- high resistance to chemicals
- high permissible total deformation
- good compatibility with existing material through chemical bonding
- free of isocyanate and solvents
- very high UV resistance
- optimally formulated primers and bespoke application tools available



Joint sealing with PROXAN<sup>®</sup>- KV 2 G



Joint sealing with PROXAN<sup>®</sup>- KV 2 R



Joint sealing with PROXAN<sup>®</sup>- KV 3 G



## PROXAN<sup>®</sup>-KV 2

The joint sealant PROXAN<sup>®</sup>- KV 2 is used for sealing ground joints or joints close to the ground between concrete components with expansions up to 35 % of the joint width. Main areas of application: road, bridge and tunnel construction. Besides mechanical loads resulting when driven and walked over or temperature induced movements, the joint sealant is also resistant to chemical exposures such as those caused by fuels and grit. PROXAN<sup>®</sup>- KV 2 is tested and externally inspected for chemical resistance according to DIN EN 14188-2 and TL Fug-StB.

The joint sealant is available in the following variants:

- PROXAN<sup>®</sup>- KV 2 G: pourable: = horizontal floor joints with a max. 3 % gradient
- PROXAN<sup>®</sup>- KV 2 ST: stable: = vertical base and wall joints
- Standard colours: grey and black
- Special colours (only available after discussion and agreement): antique pink, reddish brown, sand coloured

### Standard colours

grey

black



### Special colours

antique pink

reddish brown

sand coloured





## PROXAN®-KV 2 R

The rapidly reacting two-component joint sealant PROXAN®- KV 2 R is primarily used in track construction. The product is pourable, has a medium viscosity and is suitable for horizontal floor joints with a maximum gradient of 10 %. Thanks to its elastic properties, the joint sealant optimally absorbs the different movements between the rail and adjacent top layer, such as concrete, asphalt or paving. When used properly, PROXAN®- KV 2 R seals the rail joint and thus prevents penetration by foreign bodies and moisture.

The grey joint sealant is also characterised by the following properties:

- suitable for joints whose practical width has the potential to expand by up to 25 %
- high chemical resistance

## PROXAN®-KV 3

PROXAN®- KV 3 is a two-component sealant with general technical approval for use in facilities for the storage, filling and handling of water endangering liquids. It is characterised by its high resistance to mineral oils and chemicals. Once the sealant has cured, the elastic joint seal can accommodate changes in the initial joint gap width of up to 35 %.



The joint sealant is available in the following variants:

- PROXAN®- KV 3 G: pourable: = horizontal floor joints with a max. 3 % gradient
- PROXAN®- KV 3 ST: stable: = vertical base and wall joints  
PROXAN®- KV 3 ST is also used as an adhesive for the joint tape PROXAN®- FB 3.
- Colours: black and grey



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Chemnitz Bahn



## Associated PROXAN®- primer

Our primers have been developed for optimum application of the PROXAN®- joint sealants. Specially designed for the surface properties, they form a firmly adhesive layer for the sealants.

The primers are a component of all test certificates and building approvals for PROXAN®- products.

<p><b>For porous, absorbent surfaces</b></p> <p>such as concrete, masonry, wood (without varnish or top coat)</p>		<p><b>For non-absorbent substrates</b></p> <p>such as cast steel, polymer concrete, split clinkers, glazed ceramic, plastics, metals or glass</p>	<p><b>For special applications and problematic substrates</b></p> <p>such as joint flanks made from cut asphalt or semi-rigid road surfaces</p>
<p><b>PROXAN®- CP-P</b></p> <p>two-component primer based on epoxy resin</p>	<p><b>PROXAN®- CP-S</b></p> <p>two-component, sprayable primer based on epoxy resin with low viscosity</p>	<p><b>PROXAN®- CP-G</b></p> <p>clear, low-viscosity primer based on alkyl silane</p>	<p><b>PROXAN®- CP-A</b></p> <p>two-component primer based on epoxy resin</p>
<p><b>Supply form</b></p> <p>Combination packaging (A+B component) for 1 l</p>		<p><b>Supply form</b></p> <p>Metal flask for 400 ml</p>	<p><b>Supply form</b></p> <p>Combination packaging (A+B component) for 1 l</p>

Left picture: Joint sealing with PROXAN®- KV 2 R



## PROXAN<sup>®</sup>-KV 2 G-S

The dark grey joint sealant PROXAN<sup>®</sup>- KV 2 G-S is particularly suitable for concrete road surfaces, e.g. motorways and aircraft operation areas where there are high movement absorption requirements. It is characterised by high chemical resistance and thus reliably prevents penetration by substances hazardous to water into the ground. PROXAN<sup>®</sup>- KV 2 G-S is pourable and therefore very easy to use.



PROXAN<sup>®</sup>- KV 2 G-S has successfully passed the BAM performance test and fulfils the requirements of the 'Technical Terms of Supply for Joint Fillers in Traffic Areas' (TL Fug-StB 15) for class 35 as well as those of DIN EN 14188-2, load class A - D.

The two-component joint sealant is distinguished by the following properties:

- fast-reacting
- high permissible total deformation factor of 35 %
- various application options:
  - conventional, manual use
  - use with 2 K mixing and dosing systems possible

## Associated PROXAN<sup>®</sup>- primer

**PROXAN<sup>®</sup>- CP-SR** is a two-component primer based on epoxy resin, which we have formulated specially for the joint sealant PROXAN<sup>®</sup>- KV 2 G-S. It is preferably used for pre-treating porous, absorbent surfaces such as concrete, where it forms an ideal basis for the joint sealant applied subsequently.

The primer is supplied in combination packaging with A and B component each with 1 litre.





## PROXAN<sup>®</sup>-FB 3

PROXAN<sup>®</sup>- FB 3 is an industrially prefabricated sealing tape with polysulphide basis. Thanks to its special formulation, it is resistant to a large number of chemicals, UV resistant and elastic over a high temperature range. The sealing type PROXAN<sup>®</sup>- FB 3 allows you to seal very wide joints of up to 160 mm in areas that are not driven over. It is suitable for securely sealing joints which are subject to large movements and for repairing widened joints in facilities for the storage, filling and handling of water endangering liquids. The joint tape is bonded on both sides of the joint with the joint sealant PROXAN<sup>®</sup>- KV 3 ST.

General  
technical  
approval

The sealing tape is available in grey and black. It is approved by the German Institute for Structural Engineering (Deutsches Institut für Bautechnik, DIBt) for joint sealing systems in facilities for the storage, filling and handling of water endangering liquids under:

- grey = Z-74.5-179
- black = Z-74.5-104

### Joint sealing with joint tape PROXAN<sup>®</sup>- FB 3

before



after





## PROXAN®-RM 3

PROXAN®- RM 3 is a pigmented two-component reaction resin mortar based on epoxy resin and filled with special quartz sand. The repair mortar is used in conjunction with the primer PROXAN®- HRM 3 for concrete restoration. Thanks to its high chemical resistance, it is especially suitable for use in facilities for the storage, filling and handling of water endangering liquids applications, such as refuelling and de-icing areas at airports. The reaction resin mortar guarantees reliable repair as well as quick and easy application.



### **Primer and corrosion protection:**

**PROXAN®- HRM 3** is a two-component epoxy resin-based primer with active anti-corrosion pigment (cement clinker). It acts as a bonding layer between the concrete and repair mortar PROXAN®- RM 3. PROXAN®- HRM 3 adheres excellently to brittle or roughened surfaces and is resistant to the alkalinity of fresh cement mortars and quick setting cement. The primer can therefore also be used as a bonding layer between old and fresh cement concrete.

The repair compound with associated primer is also characterised by the following properties:

- high chemical resistance
- approved by the German Institute for Structural Engineering (Deutsches Institut für Bautechnik, DIBt) for concrete restoration in facilities for the storage, filling and handling of water endangering liquids under Z-74.12-96

# PROXAN® -Sealants at a glance



Product	Supply form	Primer	Approval	Colour	ST	G
PROXAN®-KV 2	stable: 2.5 l, 4 l Cartridge: 450 ml pourable: 2.5 l, 4 l, 10 l, 25 l	PROXAN®- CP-A PROXAN®- CP-G PROXAN®- CP-P PROXAN®- CP-S	TL Fug-StB DIN EN 14188-2	grey, black special colours: antique pink, reddish brown, sand coloured	x	x
PROXAN®-KV 2 R	Can: 10 l, 25 l		DIN EN 14188-2	grey		x
PROXAN®-KV 3	stable: 2.5 l, 4 l Cartridge: 450 ml		stable: grey: DIBt under Z-74.6-145 black: DIBt under Z-74.6-120	grey, black	x	
	pourable: 2.5 l, 4 l, 10 l, 25 l		pourable: DIBt under Z-74.6-119			
PROXAN®-KV 2 G-S	2.5 l, 4 l, 10 l, 25 l, 200 l	PROXAN®-CP-SR	BAM performance test TL Fug-StB DIN EN 14188-2	dark-grey		x
PROXAN®-FB 3	Width: 60 mm, 80 mm, 100 mm, 120 mm per roll: 15 m	Adhesive PROXAN®-KV 3 ST	grey: DIBt under Z-74.5-179 black: DIBt under Z-74.5-104	grey, black		
PROXAN®-RM 3	8 kg, 20 kg	PROXAN®-HRM 3	DIBt under Z-74.12-96	grey		

Right picture: Joint sealing with flow gun WUBO 600 mechanical





## PROXAN<sup>®</sup>-Tools

For optimum application of the PROXAN<sup>®</sup>- joint sealants, the dga-Group has developed a specially customised application machine and pouring guns for filling the joint sealant.

Accessory parts guarantee an even pre-treatment of the joint with the associated primer as well as bubble-free mixing of the A and B component. The application machine and pouring guns ensure easy and reliable handling when filling the joints.

### Processing machine PROXAN<sup>®</sup>- FLEXOMAT



The PROXAN<sup>®</sup>- FLEXOMAT application device is specially designed for applying ready-mixed 25 l containers of pourable polysulphide sealant.

With the PROXAN<sup>®</sup>- FLEXOMAT you can process up to 100 l per hour. The pressure vessel is designed for up to 8 bar. Two workers are needed to operate a PROXAN<sup>®</sup>- FLEXOMAT powered by a petrol engine.

The handy method of work standing up and easy cleaning are particularly impressive.



Joint sealing with GN-70/560 mechanical



## The benefits of our PROXAN<sup>®</sup>- flow gun at a glance:

- sturdy, compact and effective design
- easy and convenient to use thanks to ergonomic handle
- individual parts can be replaced within our modules
- easy to maintain

## Compressed air and suction gun SVV-70/560



The SVV-70/560 compressed air and suction gun is suitable for applying all PROXAN<sup>®</sup>- joint sealants. A stable sealant is sucked from the container into the gun cylinder via the cover plate. At the same time, a pourable sealant is filled directly from the container into the cylinder. The automatic cylinder venting (DGBM) immediately stops the flow of material when the compressed air supply is interrupted. Various plastic nozzles are available for your individual application.

The flow gun is also available as a compressed air and suction gun SVV-70/960 with a higher joint sealant volume in a larger dimension.



## Flow gun GN-70/560 mechanical



All pourable sealants in conventional packaging (loose containers) can be applied with the flow gun GN-70/560. A stable sealant is sucked from the container into the gun cylinder via the cover plate. A pourable sealant is filled directly from the container into the cylinder. Here too, various plastic nozzles are available for your individual application.

## Flow gun WUBO 600 mechanical



The mechanical flow gun WUBO 600 can be used to apply all sealants in conventional packaging (bags, cartridges and loose containers). Homogenised, pourable sealant is filled directly from the container into the cylinder. Stable material is sucked into the cylinder via the nozzle using the cover plate.



## Adhesive primer accessories

The **primer brush flasks** allow all PROXAN<sup>®</sup>- primers to be applied easily. Here the homogenised primer is filled directly from the container into the primer brush flask. Applying pressure to the flask allows this to be dosed optimally and applied neatly into the joint via the brush.

The primer brush flask is available in the sizes 125 ml, 150 ml and 500 ml.



## Accessories for pourable material

The **paddle mixer** is suitable for stirring both components of a pourable PROXAN<sup>®</sup>- joint sealant free of bubbles. The mixer is placed on an agitator for larger containers, and on a powerful drilling machine for smaller containers, and the sealant is then mixed. The large mixer paddles prevent air from being stirred into the material. Its durability is also impressive.

The paddle mixer is available in the following paddle widths:

- for 2.5 l / 4.0 l container: 50 mm
- for 10.0 l container: 100 mm
- for 25.0 l container: 150 mm





## Accessories for stable material in the can

The **container holder for cans** ensures stability when mixing our PROXAN<sup>®</sup>- joint sealants.

A can (2.5 l or 4.0 l container) with joint sealant is clamped into the container holder for cans. A clasp ensures that the container is held optimally in the holder.

Standing on the two holding plates fastened onto the container holder on the ground prevents the container holder from sliding.



The **mixing paddle agitator** is suitable for bubble-free homogenisation of our two-component PROXAN<sup>®</sup>- joint sealants.

It is fastened onto a powerful drilling machine or agitator. The B component is added to the A component and mixed with the mixer paddle agitator. The particularly wide paddle surface makes it possible to stir the material free of bubbles.



The **filling plate for cans** helps you to fill the flow guns optimally with joint sealant from a can.

The filling plate is screwed onto the flow gun after mixing the material. The vacuum generated during suction causes the filling plate to migrate towards the ground and ensures optimum emptying of the can.





## Accessories for stable material in the cartridge

The **container holder for cartridges** ensures stability and safety when mixing our PROXAN<sup>®</sup>- joint sealants. A cartridge with joint sealant is clamped into the container holder. A screw clamp ensures that the container is held optimally in the holder.

Standing on the two holding plates fastened onto the container holder on the ground prevents the container holder from sliding.



The **cartridge agitator** is suitable for bubble-free homogenisation of our two-component PROXAN<sup>®</sup>- joint sealants. It is fastened onto a powerful drilling machine or agitator and the sealant is mixed with the cartridge agitator. With its long mixing head, the spiral-shaped agitator ensures that both components are homogenised free of bubbles in the entire cartridge.



### Benefits of using sealants in cartridges:

- Cartridges ideally suitable for small areas
- Easy handling, as both components are already in the cartridge and only need to be homogenised



## PROXAN<sup>®</sup>-Cleaner

Whether paddle mixer, mixing paddle agitator or cartridge agitator – product residues must be cleaned from the tools after applying the PROXAN<sup>®</sup>- sealants so that these tools function perfectly when next used. This is quick and easy with our PROXAN<sup>®</sup>- cleaners.

Metallic application devices to which unhardened sealants have adhered are typically sprayed with our PROXAN<sup>®</sup>- cleaner and the residues removed with a rag.

Hardened sealants can be removed with the cleaners. The residues can then be removed mechanically. The cleaners are also suitable for cleaning and degreasing substrates.

The PROXAN<sup>®</sup>- cleaners are available in the following variants:

### ■ PROXAN<sup>®</sup>- PR-S

Sprayable special cleaner for degreasing substrates and removing unhardened polysulphide joint sealants from application tools.

Supply form: 400 ml spray can

### ■ PROXAN<sup>®</sup>- PR 4

Liquid special cleaner for degreasing substrates and removing unhardened polysulphide joint sealants from application tools.

Supply form: Metal flasks for 1 l, PE canisters for 10 l

Our General Terms and Conditions of Business apply.

When using these products, the valid technical data sheets have to be observed.  
These can be requested free of charge from us or viewed on the internet at  
[www.dga.de](http://www.dga.de).

The illustrated packaging has to be understood as examples. A legally binding claim is  
excluded. Changes in appearance are possible at any time.



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