

**Products for
aircraft
operation areas**



Safe aircraft areas with products from the dga Group

No matter whether flying passengers to their holiday destination or bulky machines to their application site – fully laden and fuelled aircraft can weigh up to 300 tonnes and more. Airport runways in particular are subject to considerable loads from the heavy aircraft.

Dortmunder Gußasphalt GmbH & Co. KG manufactures special joint sealants and repair compounds for aircraft areas. Our products of the BIGUMA® and PROXAN® brands are characterised by high resistance to mechanical loads or the effects of the weather and enjoy a long service life. The aviation areas do not need to be repaired so often, thereby saving costs.

The quick and easy processing of our products also ensures that construction sites can be closed rapidly, allowing air traffic to resume. This means long downtimes can be avoided.

Our joint sealants and repair compounds naturally have the appropriate approvals.



Our high-quality brands for aircraft areas



BIGUMA® — PROXAN®

BIGUMA[®]-Connect



**BAM test passed
successfully**

Rapid processing without primer

Whereas classic joint sealants require mandatory a priming agent, BIGUMA[®]- Connect can be applied without primer. A correct application is therefore ensured.

A novel polymer composition of this joint sealant provides an ideal adhesion especially on mineral substrates. Thereby an improved flank adhesion is achieved and at the same time a high security against flank tear-off is given.

A primer becomes unnecessary. There is no more time required for applying the primer and for the corresponding drying. This allows construction sites at airports to be closed again quickly.

BIGUMA[®]- Connect is also characterised by higher resistance to aging and UV as well as optimised flow behaviour even at lower processing temperatures starting at 160°C.



Advantages:

- primer not required on concrete
- excellent adhesion to mineral substrates
- excellent stress relaxation, even at low temperatures
- excellent performance properties at hot and cold temperatures
- high ageing-resistance of joint



BIGUMA[®]-N2 Plus



**BAM test passed
successfully**

Withstands major strain



Our BIGUMA[®]- N2 Plus joint sealant is the perfect choice for road surfaces with increased joint movement. With a movement absorption factor of 35%, it is suitable for use on heavily trafficked surfaces made from concrete and asphalt.

Ideally suitable for runways at airports, its tremendous adhesive properties and the joint's high resistance to aging make it particularly impressive.

Primer COLZUMIX[®]- Haftgrund N2 Plus

COLZUMIX[®]- Haftgrund N2 Plus is a specially modified, transparent primer for BIGUMA[®]- N2 Plus.

Thanks to its excellent adhesive strength, it can also be used when, as a result of the concrete composition, a critical adhesive surface of the joint edges is to be expected.

Approvals: TL Fug-StB, EN 14188-4, Typ PRH

Advantages:

- designed for a potential change in the joint gap width of up to 35%
 - plastic-elastic formulation for an optimal balance between movement absorption and stress relaxation in joints
 - good adhesion to bituminous and mineral substrates
 - high ageing-resistance of joint
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PROXAN® - KV 2 G-S



**BAM test passed
successfully**

High movement



PROXAN®- KV 2 G-S is a fast-reacting two-component joint sealant for joints whose widths have the potential to expand by up to 35%. It is particularly suitable for concrete road surfaces where there are high movement absorption requirements. PROXAN®- KV 2 G-S is pourable and therefore very easy to use.

PROXAN®- KV 2 G-S fulfils the requirements of "Technischen Lieferbedingungen für Fugenfüllstoffe

in Verkehrsflächen" (TL Fug-StB 15) for class 35 as well as DIN EN 14188-2, load A - D.

Primer PROXAN®- CP-SR

PROXAN®- CP-SR is a two-component bonding agent that is based on epoxy and designed specially for the joint sealant PROXAN®- 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.

Advantages:

- high permissible total deformation of 35%
 - fast-reacting
 - various handling options: conventional, manual use or use with 2 K mixing and dosing systems possible
 - good compatibility with existing material through chemical bonding
 - isocyanate and solvent-free
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PROXAN® - KV 3



**General
technical
approval**

High chemical resistance



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 high resistance to mineral oils and chemicals, allowing it to reliably prevent penetration by water pollutants into the ground. This enables aircraft to be refuelled and de-iced safely. We offer PROXAN®- KV 3 in the variants pourable (G) and stable (ST) and in the colours black and grey.

Primer

Thanks to a broad range of approved primers, it is possible to use the sealant on many substrates:

Concrete:
PROXAN®- CP-P
PROXAN®- CP-S

Sliced asphalt and
semi-rigid coverings:
PROXAN®- CP-A

Cast steel, polymer
concrete:
PROXAN®- CP-G

Advantages:

- suitable for sealing joints in systems used for the storage, filling and handling of water endangering liquids
 - isocyanate and solvent-free
 - PROXAN®- KV 3 G: General technical approval Z-74.6-119
 - PROXAN®- KV 3 ST: General technical approvals Z-74.6-120 and Z-74.6-145
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PROXAN®-FLEXOMAT

Rapid processing of the joint sealant PROXAN®- KV 2 G-S

The PROXAN®- FLEXOMAT application device is especially designed for applying ready-mixed 25 l containers of pourable polysulphide sealant.

With the PROXAN®- FLEXOMAT you can process up to 100 l per hour. Two workers are required to operate the PROXAN®- FLEXOMAT 8 bar. One person operates the FLEXOMAT and one person guides a provided hand lance.



Technical data

Empty weight:	approx. 110 kg
Length:	approx. 1100 mm
Height:	approx. 1300 mm
Width:	approx. 580 mm
Motor:	HONDA GX 100 with 2,1 kw
Max pressure:	8 bar
For containers up to:	25 l

PROXAN®-RM 3

Reliable repair at high chemical loads



PROXAN®- RM 3 is a pigmented two-component epoxy resin reaction resin mortar 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 refuelling and de-icing areas at airports. PROXAN®- RM 3 is also suitable on account of its rapid and easy workability.

Approval: 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

Primer PROXAN®- HRM 3

PROXAN®- HRM 3 is a two-component epoxy resin-based primer with active anti corrosive pigment (cement clinker). Acting as a bonding layer between the concrete and repair mortar PROXAN®- RM 3, this is characterised by high chemical resistance.

PROXAN®- HRM 3 adheres excellently to brittle or roughened surfaces and is resistant to the alkalinity of fresh cement mortars and quick setting cement. It can therefore also be used as a bonding layer between old and fresh cement concrete.

Advantages:

- high chemical resistance
 - Approval: 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 Z-74.12-96
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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.

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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