



GLUKON®prime is applied on both sides when used as a contact adhesive. The contact bonding method can be used in the area of thermal, acoustic and fire insulation for reliable bonding of PUR/PIR rigid foam, acoustic foam, XPS/EPS perimeter boards, PE films and geotextiles. GLUKON®prime is applied on one side to improve the adhesion of all common acrylate, butyl, bitumen and rubber adhesive tapes to absorbent substrates such as concrete, masonry, aerated concrete, plaster, wood fibre boards, wood etc. GLUKON®prime is applied on one side for quick fixation when laying geotextiles, façade membranes, sarking sheets, vapour barriers, underlay membranes etc.

- + The spray adhesive satisfies the requirements of the French VOC regulation for class A+
- + The spray adhesive satisfies the DIN standard 4102-1
- + Based on the emission test, the spray adhesive satisfies the requirements for VVOC, VOC and SVOC emissions in accordance with the testing and evaluation scheme of the Committee for Health-related Evaluation of Building Products (AgBB evaluation scheme)



### SHI-Product passport

**SHI product evaluation** if the sealants and adhesives are tested for harmful substances and fulfil the SHI criteria.

**The QNG** is awarded on condition that certification with a registered assessment system for sustainable construction and the fulfilment of special requirements in the public interest, including greenhouse gas emissions in the life cycle of the building, is available.

**The EU taxonomy** is a classification system that determines which investments are considered environmentally sustainable. Its purpose is to combat greenwashing and support investors in selecting environmentally friendly options.

**DGNB NEUBAU** covers the six subject areas of ecology, economy, socio-cultural and functional aspects, technology, processes and location. The first three areas are given equal weighting in the assessment. The DGNB system includes both the economic and ecological criteria of sustainable building in its assessment.

**The BNB** system variant Office buildings applies to all buildings that are primarily used as office and administrative buildings.

**BREEAM certification** is a widely recognised method for assessing the sustainability of buildings. Achieving BREEAM standards can demonstrate a building's commitment to sustainability and environmental performance.

MATERIALS	FEATURES	TECHNICAL DETAILS
<b>GLUKON®prime</b> is used as an adhesive primer / contact adhesive for materials such as: Masonry, wood fibre boards, plaster, aerated concrete, concrete, cement, tiles, gypsum plasterboard, fibre cement boards, rubber, rigid foam, foams, aluminium, sheet metal, bitumen sheeting, cork, leather, wood, MDF, chipboard, OSB, mineral fibre insulating materials, most hard plastics, EPS/XPS, PIR/PUR etc.	Adhesive is applied quickly and easily	solvent-based, sprayable pressure-sensitive and contact adhesive
	Very high initial adhesive strength	Colour: Transparent-yellowish
	Mobile, ready for immediate use without power or compressor	Solid content: approx. 30 %
	Spraying method: Web spray	Temperature resistance per SAFT: approx. 65°C (HPL to HPL)
	Flash-off time: approx. 1 min. (at 25°C) to 5 min. (at -10°C)	Temperature resistance insulation materials: approx. 85°C (XPS/EPS/PUR/ PP-E/GW on ALU sheet.)
	Open time: 12 hours	Shear strength: approx. 65 N/cm², 425 N/inch
	The cured adhesive is not flammable	Range: 13 kg pressure containers approx. 100 - 175 m² (in the case of contact bonding), total spray surface approx. 200 - 350 m²
	<b>Dichloromethane-free</b> <b>Toluene-free</b>	Range: 500 ml can, approx. 4 - 6 m² (contact bonding) or approx. 90 - 135 running metres with 5 cm spray width (as primer)
	<i>The range is heavily dependent on the application and the materials used!</i>	Reichweite als Primer, Aerosoldose 500 ml: ca. 75 - 100 lfm bei 5 cm Sprühbreite

#### INSTRUCTIONS FOR USE

The substrate must be dry and free of dust and grease. Remove dirt such as concrete, cement or paint residues. Cover adjoining surfaces. Application temperature 5 - 25 °C (container/can temperature). **GLUKON® prime** should not be applied at temperatures below -10°C (ambient/material temperature)! With first use, connect the hose and gun to the container. Then slowly open the container valve and check the system is leak-tight. The system is now ready for operation. To apply the adhesive, hold the gun approx. 10 cm (hand width) above the application surface. The rule of thumb for correct application here is: Spray jet width = distance between the spray gun and materials. Apply the adhesive evenly. Avoid puddles of adhesive (solvent build-ups).

#### Use as a primer/for fixation

Apply **GLUKON®prime** evenly. Double application is recommended if the substrate is very absorbent. Depending on the ambient temperature, the flash-off time is between 1 and 5 minutes. After the adhesive has dried in the air, the adhesive tapes can be laid or light insulating materials (less than 4 kg/m²) and foils can be fixed. **Important: Not final bonding strength!**

#### Use as a contact adhesive

For contact bonding, always apply **GLUKON®prime** evenly to both surfaces (application quantity approx. 23g/m²/dry), here the flash-off time is also 1 - 5 minutes depending on the ambient temperature.

After flash-off, rub both materials thoroughly. It takes about 24/48 hours until the adhesive is completely cured.

The bonded materials can be further processed immediately.

**When used as an adhesive for thermal, acoustic and fire insulation, perimeter insulation, cellar roof insulation or for insulating materials over 4 kg/m², adhesive must always be applied on both sides (contact bonding)!**

Lock the spray gun after use. The valve on the adhesive container must **NEVER** be closed unless the container is being replaced with a new one or it is closed for transport to the construction site. Please use Glukon Citrus Cleaning Spray for removing adhesive residues from surfaces. Before use, please read our Glukon instructions for use (enclosed with the container), which are also available to download from: [www.glukon.de](http://www.glukon.de)

**Important information: Depending on the raw material base, some cleaning agents may attack the adhesive and for this reason avoid directly spraying onto the adhesive joints when cleaning soiled surfaces.**

**Recommendation: Do not apply the cleaning agent directly to the workpiece, but rather apply it to a lint-free cloth and clean the surfaces with this.**

**Plasticised materials such as e.g. soft PVC, artificial leather, plasticised seam pastes etc. are not suitable for pre-treatment/bonding with GLUKON®prime!**

#### APPLICATION CHECKLIST

- + Does the selected adhesive match the requirements profile and the intended site of use?
- + Are the materials to be bonded correctly acclimatised (at least 48 hours) or adjusted to the prevailing climatic conditions at the place of installation?
- + Are the materials to be bonded dry, clean and free of dust and grease? Degrease only with acetone or isopropanol. Metals and smooth surfaces should be additionally roughened and then degreased again.
- + Do the application temperatures of the adhesive, the materials and the environment fall inside the permissible parameters (15 - 25 °C)?
- + Are you sufficiently familiar with how to apply the adhesive? Distance between the spray gun and the workpiece, spray jet width and spraying speed?  
Please visit our website: [www.glukon.de/anwendung](http://www.glukon.de/anwendung) and watch our application video for further information.
- + Do you know the respective flash-off times and open times for the adhesive to be used? These must be adhered to!
- + Are the materials free of tears or similar damage?
- + Has the work process been thought through? Can dirt be ruled out when applying the adhesive?
- + Is the system ready to use? Is the product well shaken? Pistol and nozzle should spray without problem.
- + Is the correct nozzle being used? Please only use our Glukon standard nozzle with our web spray adhesives.
- + Are pressure application tools available for achieving the required pressure (2.5 to 3 kg/cm<sup>2</sup>)?
- + Is health and safety ensured?

#### HEALTH & SAFETY / SAFETY INSTRUCTIONS

- Processing must only be performed by competent individuals.
- Personal protective equipment should be worn when working with the Glukon spray adhesive system. Please also be sure to observe our safety data sheets in this regard!
- Good ventilation of the workplace/site must be guaranteed or ensured by means of suitable technical measures (e.g. explosion-protected extraction unit or stationary extraction)
- With insufficient ventilation or incorrect use there is a risk of an explosive gas/air mixture forming! This results in a danger to life! The formation of naked flames and excessive heat (+50 °C) must be avoided in general!
- Avoid directly inhaling, swallowing or absorbing through the skin as this is a health hazard!
- The vessel is pressurised and must be protected against damage (e.g. valve being struck off, being dropped, the effects of heat, etc.).
- Never forcibly open full containers or containers that have not been completely emptied! Risk of explosion!
- The safety data sheets are available to download at: [www.glukon.de](http://www.glukon.de)

#### STORING AND HANDLING THE GLUKON<sup>®</sup> CONTAINER

Must be stored at a temperature between +10 °C and +50 °C. The container is under pressure. Protect containers from direct sunlight and heat sources. Do not store on a cold concrete floor. Avoid damage to the container or penetration by foreign objects. The containers may not be refilled! Transport containers in an upright position and secure against shifting/toppling. Close container valve when transporting. Protect containers from rain. Handle containers carefully. Do not throw or drop. Only store in well-ventilated rooms. Containers showing damage from the outside, such as dents or

valve damage, are to be disposed of professionally. Do not stick objects in the spray head! Please also refer to the safety datasheet (Point 7 and Point 14) for our GLUKON<sup>®</sup> containers! GLUKON<sup>®</sup> can be stored under the recommended conditions for at least 18 months.

**ATTENTION! SHAKE/ROLL THE CONTAINER WELL FOR AT LEAST 1 MINUTE BEFORE FIRST USE AND IF NOT USED FOR EXTENDED PERIODS. PROTECT FROM FREEZING. ENSURE THE CORRECT TEMPERATURE WHEN WORKING! (min. +15°C).**

#### DISCLAIMER

We always recommend trying the adhesive on your materials first. Please refer to our technical leaflets and the adhesive recommendations of the respective material manufacturer. It is important to test all materials to be bonded before production. The person using the product is responsible for checking whether **GLUKON<sup>®</sup>prime** is suitable for the respective application. **Industrial adhesive. Exclusively for commercial applications.**

The above details are based on results in practice and tests undertaken by us. As we have no influence on the choice of materials or the conditions of use, all details are non-binding information and, as such, no guarantee of characteristics. This also applies to instructions from our technical advice service. Publication of this technical leaflet renders all previous ones invalid.

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