



The blaugelb Acrylic is an ideal solution in the **sealing system** for indoor joints with low movement.

## blaugelb Acrylic Sealant

For the professional sealing of structural attachment and construction joints with low movement.

- Exceptionally suited for sealing structural attachment and construction joints indoors
- Very good processability, virtually odourless
- Solvent-free
- Moisture and temperature-resistant once cured
- Non-fading, water resistant once cured
- Can be painted over with suitable paints
- Building material class E (DIN EN 13501-1)

## Product features:

blaugelb Acrylic is a one-component, neutral crosslinking sealant on an acrylic dispersion basis for the expert sealing of low-movement joints. Thanks to its good initial adhesion, it can usually be applied without primer to almost all substrates encountered in construction. It exhibits good adhesion to porous, absorbent substrates.

blaugelb Acrylic can be painted over with most customary paints (note elongation). A skin forms after approx. 25 minutes.

## Applications:

blaugelb Acrylic is particularly suitable for the permanent sealing of structural, construction and connecting joints with low movement on standard construction substrates, even when porous. Joints between window and door frames, at window sills, roller shutter cases and skirting boards and cracks in masonry, concrete and plaster can be sealed with blaugelb Acrylic. blaugelb Acrylic is recommended for use indoors and is not suitable as a glazing sealant or for joints permanently loaded with water.

## Substrates:

Very good adhesion to porous substrates such as concrete, porous concrete, plasterboard, plaster, masonry, fibre cement, wood, PVC, coated metals and coated or anodised aluminium. Do not use on PE, PP, PTFE. Incompatibility may occur in the event of contact with natural stone, bitumen, tar or materials containing oils, solvents or plasticisers, e.g. soft PVC, butyl, chloroprene rubber (neoprene), insulating coatings and foams, EPDM, APTK. Not recommended for tiles, ceramic or marble. Do not use on easily corroded substrates such as bright steel, iron etc.

## Product benefits:

- Exceptionally suited for sealing structural attachment and construction joints indoors
- Very good processability
- Virtually odourless
- Solvent-free
- Very good adhesion to most porous and even slightly moist conventional construction materials\*
- Moisture and temperature-resistant once cured
- Non-fading, water resistant once cured
- Can be painted over with suitable paints
- Building material class E (DIN EN 13501-1)

\*Carry out suitable pretests.

## Technical data:

Material base:	1C acrylic dispersion
Colour:	White
Curing system:	Curing through evaporation of water
Building material class: <b>DIN EN 13501-1</b>	Building material class E
Curing speed:	Approx. 0.2 to 0.3 mm / 24 h at +23°C and 50 % RH
Skin formation:	Approx. 25 minutes at +23°C and 50 % RH

Density: <b>ISO 2811-1</b>	1.56 g/cm <sup>3</sup>
Shore A hardness: <b>ISO 868</b>	Approx. 40
Max. permissible total deformation:	12.5%
Change in volume: <b>ISO 10563 EN 15651-1:2012</b>	Up to -30 vol.%
Elongation at break: <b>ISO 8339-A</b>	200 %
Elastic recovery:	n/a
Processing temperature:	Ambient: +5°C to +40°C Substrate: +5°C to +40°C
Temperature resistance:	From -20°C to +80°C
Resistance:	Non-fading, UV and water-resistant once cured
Storage life:	18 months in unopened pack at +10°C to +25°C
Delivery form:	300 ml cartridge, 600 ml tubular bag

Product name	PU	Item no.
blaugelb Acrylic white 300 ml	25 cartridges	0263268
blaugelb Acrylic white 600 ml	12 bags	0432283

## Joint dimensions:

The joint dimensions are defined by the sum of the stresses and the mechanical properties of the building materials. The planner determines the joint dimensions, taking the permissible total deformation of the intended sealant into account. In terms of the joint width, general consideration must be given to the total deformation of the sealant (sum of compression, elongation and shear) as regards the joint width not being greater than the permissible total deformation of the joint sealant.

The following recommendations for the joint dimension refer to square joints and are taken from the specifications of the IVD information sheet no. 3-1 as well as the installation guide from the RAL Quality Assurance Association for Windows and House Doors (RAL-Gütegemeinschaft Fenster und Haustüren) 2014 edition, chap. 6.4.1. There you will find further detailed notes, including on the calculation of the required joint width.

Recommended joint dimensions:	Joint width	Joint depth*
<b>min.</b>	10 mm	6 mm
	20 mm	10 mm
<b>max.</b>	30 mm	15 mm

\*Guiding value on joint dimension: The joint depth corresponds to approx. half of the joint width, but at least 6 mm

Joints with three flanks ("three-point adhesion") and triangle joints are not suitable for absorbing movement and are therefore to be avoided. Sealants should be used with a suitable backfilling material (closed-cell cord) to limit the depth of the joint and ensure a two-point adhesion.

## Calculation of the consumption amount:

Example: Joint with 20 mm width and 10 mm depth, 10 % excess material that accumulates when smoothing off.

10 mm x 6 mm = 60 ml/m + 10 % = 66 ml/m material consumption.

A 300 ml cartridge is sufficient for a joint length of approx. 4.55 m. This calculated value may deviate depending on the real-world conditions.

## Preparation and processing:

The substrate must be firm, stable, clean and free of grease, dust and loose parts. All traces of residue from separating agents used in production or protective films used in transit must be removed from the substrate. The blaugelb Acrylic also adheres to a moist (not wet) substrate. Porous substrates should be moistened.

Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer. We recommend masking the edges of the joint with suitable adhesive tape. Fill the joint bubble-free with the blaugelb Acrylic, then spray with a suitable smoothing agent and smoothen before a skin forms. Pull off the adhesive tape promptly and remove excess smoothing agent.

Ensure there is good ventilation so that the blaugelb Acrylic can cure. Avoid three-point adhesion in the joint as this could otherwise result in stresses that may cause the sealant in the joint to tear.

Processing temperature: +5°C to +40°C (ambient temperature and substrate). Curing should be performed at constant temperatures to the greatest possible extent in order to prevent the formation of cracks. Curing takes place by drying from the outside inwards. Curing slows down at low temperatures and/or if atmospheric humidity is high.

blaugelb Acrylic is non-fading. Long-term contact with chemicals is to be avoided. If the effect of chemicals or high temperatures leads to colour variations in individual cases, the function or durability is generally not impaired.

## Cleaning and repair:

Before curing, it can be cleaned using water; after curing, the blaugelb Acrylic can be removed mechanically. Repairs to the joint of the blaugelb Acrylic can be performed using the same material.

## Delivery and storage form:

Store in the original packaging in a dry place and protect against effects of frost and heat. Can be stored for 18 months at a storage temperature between +10°C and +25°C.

## Disposal:

The disposal conforms with the national specifications.

## Safety note:

Please note the Safety Data Sheets.  
Only for trade use.