



As a key part of the sealing system, blaugelb Silicone Alkoxy is especially suitable for the outer level of the joint.

blaugelb Silicone Alkoxy

For expert sealing of structural attachment, construction and expansion joints.

- Convenient processing thanks to delayed skin formation
- Very good processability
- Moisture and temperature-resistant
- Non-fading, weather and UV-resistant once cured
- Permanently elastic, compensates for unevenness and material movements
- Non-corrosive
- Very good coatability according to DIN 52452-A1
- Building material class E (DIN EN 13501-1)
- Tested to be very low in pollutants according to EMICODE EC1 Plus

Product features:

The blaugelb Silicone Alkoxy is a one-component sealant based on alkoxy that cures neutrally. Designed for outdoor use, the blaugelb Silicone Alkoxy is non-fading and also weather and UV-resistant. Thanks to its good initial adhesion, it can usually be applied without primer to almost all substrates encountered in construction. Skin formulation has been formulated to take place with a slight delay, for convenient processing.

Applications:

The blaugelb Silicone Alkoxy is especially suitable for sealing structural and construction joints as well as connecting joints between door/window frames and reveals made from masonry, concrete, plaster, cement etc., to meet the requirements of expert installation. The blaugelb Silicone Alkoxy can be used for sealing glass/frames with wood, rigid PVC and aluminium if compatibility with the system is assured.

Substrates:

Very good adhesion to the substrates normally encountered in building construction, such as concrete, porous concrete, plasterboard, plaster, masonry, fibre cement, wood, rigid PVC, aluminium, metals, GRP, etc. Do not use on PE, PP, PTFE. Incompatibility may occur on natural stone, bitumen, tar or materials containing plasticisers (e.g. soft PVC, butyl, insulating coatings and foams, EPDM, APTK).

Product benefits:

- Exceptionally suited for sealing of structural attachment, construction and expansion joints
- Convenient processing thanks to delayed skin formation
- Very good processability
- Very good adhesion to almost all conventional construction materials*
- Moisture and temperature-resistant
- Non-fading, weather and UV-resistant once cured
- Permanently elastic, compensates for unevenness and material movements
- Non-corrosive
- Virtually odourless
- Very good coatability according to DIN 52452-A1
- Building material class E (DIN EN 13501-1)
- Tested to be very low in pollutants according to EMICODE EC1 Plus

*Carry out suitable pretests.

Joint dimensions:

Joint width min.	For bonding	2 mm
	For sealing	5 mm
Joint width max.	For bonding	10 mm
	For sealing	30 mm
Joint depth min.	For bonding	2 mm
	For sealing	5 mm

Reference values:

For joint width > 6 mm: Joint depth = 1/2 joint width

For joint width < 6 mm: Joint depth = joint width

Technical data:

Material base:	1C polysiloxane (alkoxy)
Colour:	RAL 9016 white, colourless
Curing system:	Polymerisation by atmospheric humidity
Building material class: DIN EN 13501-1	Class E
Curing speed: at 20 °C and 65 % RH	Approx. 1.5 – 2 mm / 24 hrs.
Skin formation: At 20 °C and 65 % RH	Approx. 15 – 20 minutes
Density: DIN EN ISO 10563	1.03 g/ml
Shore A hardness: DIN 53505	20 ± 5
Max. permissible deformation:	25 %
Change in volume: DIN EN 15651-1:2012	Up to -10 vol. %
Elongation at break: DIN 53504	600 %
Elastic recovery: ISO 7389-B	> 80 %
Processing temperature:	Ambient: +5 °C to +35 °C Substrate: +5 °C to +35 °C
Temperature resistance:	from -40 °C to +150 °C
Resistance:	Non-fading, UV and weather-resistant
Ecological report:	EMICODE EC1 Plus
Storage life:	12 months in unopened pack at +5 °C to +25 °C
Delivery form:	310 ml cartridge / 600 ml bag

Product name	PU	Item no.
blaugelb Silicone Alkoxy RAL 9016 white 310 ml	12 cartridges	0426583
blaugelb Silicone Alkoxy colourless 310 ml	12 cartridges	0426586
blaugelb Silicone Alkoxy RAL 9016 white 600 ml	12 bags	0426587
blaugelb Silicone Alkoxy colourless 600 ml	12 bags	0426589

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 Silicone Alkoxy adheres best to a dry substrate.

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 Silicone Alkoxy, 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 Silicone Alkoxy can cure through contact with atmospheric humidity. Avoid three-point adhesion in the joint as this could otherwise result in stresses that may cause the silicone joint to tear.

Curing takes place by reaction with atmospheric humidity from the outside

inwards, and therefore slows down as time passes. Curing also slows down at low temperatures and/or if atmospheric humidity is low.

Cleaning and repair:

Before curing, it can be cleaned using turpentine substitute; after curing, the blaugelb Silicone Alkoxy can be removed with a silicone remover or mechanically. Repairs to the joint of the blaugelb Silicone Alkoxy 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 in the unopened packaging for 12 months at a storage temperature between +5 °C and +25 °C.

Disposal:

The disposal conforms with the national specifications.

Safety note:

Please note the Safety Data Sheets.