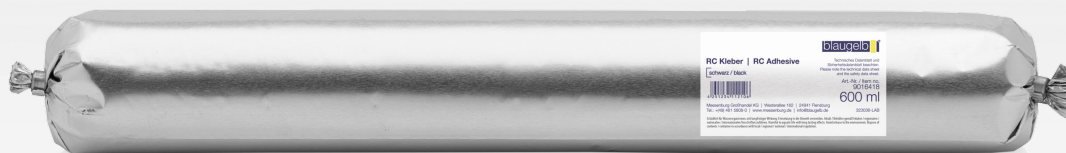


The blaugelb RC Adhesive for effective anti-intruder protection on windows.



## blaugelb RC Adhesive

Bonded-on security, signed and sealed.

- Tested for bonding of insulated glass windows to RC2 and RC3
- Tested compatibility with edge seal systems
- Moisture and temperature-resistant
- Weather and UV-resistant, non-fading
- Permanently elastic, compensates for unevenness and material movements
- Silicone, isocyanate, solvent, halogen and acid-free
- Non-corrosive, almost odourless
- Building material class B2 (DIN 4102)
- Tested to ISO 11600-F+G-25LM
- Tested to be very low in pollutants according to EMICODE EC1 Plus

## Product features:

The blaugelb RC Adhesive 600 ml black is a one-component, permanently elastic adhesive and sealant for bonding insulated glass in RC2 and RC3 windows.

The special formula exhibits especially high adhesion and cures rapidly. The blaugelb RC Adhesive 600 ml black is permanently waterproof, weather and UV-resistant and also resistant to many chemicals. The blaugelb RC Adhesive 600 ml black has been tested in conjunction with edge seal compounds made by leading manufacturers.

Because the blaugelb RC Adhesive 600 ml black exhibits both excellent adhesion and very good sealing properties, it can also be used for a large number of bonding and adhesive applications.

**Applications:** Structural bonding of insulated glass for burglary resistance to DIN EN 1627, direct glazing for windows and doors made from PVC, wood and aluminium, for fixing and sealing in the metal and construction industry, for door frames, window sills, plates, panels, strips, wood constructions and many other materials. Very good coatability according to DIN 52452-A1\*, can be painted over wet-in-wet.

Compatibility with the insulating glass edge seal system must be tested by the processor for the specific application in question before use.

**Substrates:** Metals (steel, aluminium, brass, zinc etc.), plastics (polycarbonate, PVC, ABS, polyamide, PMMA and GRP), cork, concrete, stone, enamel, glass, wood, HPL. Do not use on PE, PP, PTFE, natural stone or silicones.

## Product benefits:

- Tested for bonding of insulated glass windows to RC2 and RC3
- Tested compatibility with edge seal systems
- Moisture and temperature-resistant
- Weather and UV-resistant, non-fading
- Permanently elastic, compensates for unevenness and material movements
- Silicone, isocyanate, solvent, halogen and acid-free
- Non-corrosive, almost odourless
- For universal application for bonding and sealing
- Building material class B2 (DIN 4102)
- Tested to ISO 11600-F+G-25LM
- Tested to be very low in pollutants according to EMICODE EC1 Plus
- Manufactured under an ISO 9001:2008-compliant quality system

\*Carry out suitable pretests.

## Technical data:

Material base:	1C hybrid polymer
Colour:	Black
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN 4102-1</b>	B2
Curing speed: At 23 °C and 50 % RH	Approx. 3 mm / 24 hrs.
Skin formation: At 23 °C and 50 % RH	Approx. 6 minutes
Density: <b>DIN 53479</b>	1.50 g/ml
Shore A hardness: <b>DIN 53505</b>	55 +/- 5
Max. permissible deformation:	20 %
Change in volume: <b>DIN EN ISO 10563</b>	Approx. -4 vol. %
Tensile stress value at 100 % elongation: <b>DIN EN ISO 8339</b>	2.3 N/mm <sup>2</sup>
Tensile strength: <b>DIN 53504</b>	3.6 N/mm <sup>2</sup>
Tensile shear strength: <b>DIN 53504</b>	1.5 N/mm <sup>2</sup>
Modulus of elasticity 100 %: <b>DIN EN ISO 8339</b>	2.4 N/mm <sup>2</sup>
Elongation at break: <b>DIN 53504</b>	400 %
Elastic recovery: <b>ISO 7389-B</b>	> 75 %
Solvent content:	Free
Isocyanate content:	Free
Processing temperature:	Ambient: 0°C to +40°C Substrate: 0°C to +35°C
Temperature resistance:	From -40°C to +90°C
Moisture resistance:	Waterproof
Ecological report:	EMICODE EC1 Plus
Overpainting:	Very good coatability according to DIN 52452-A1, can be painted over wet-in-wet
Storage life:	12 months in unopened pack at +5°C to +25°C
Delivery form:	600 ml tubular bag

blaugelb RC Adhesive 600 ml black 20 bags 9016418

## Preparation and processing:

The substrate must be firm, stable, clean and free of grease, dust and loose parts. The blaugelb RC Adhesive 600 ml black also adheres to moist surfaces.

Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer. Do not use for bonding structural glazing elements.

The blaugelb RC Adhesive 600 ml black is applied in the glazing rebate. It is important to moisten the glazing rebate slightly (e.g. with a pressure sprayer) before applying the RC Adhesive in order to promote curing.

Curing takes place by reaction with atmospheric humidity from the outside

inwards. The blaugelb RC Adhesive 600 ml black can be smoothed off before skin formation.

### **Cleaning and repair:**

Before curing, it can be cleaned using turpentine substitute; after curing, the blaugelb RC Adhesive 600 ml black can be removed with a silicone remover or mechanically. Repairs to the joint of the blaugelb RC Adhesive 600 ml black 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 12 months at a storage temperature between +5°C and +25°C.

### **Disposal:**

The disposal conforms with the national specifications.  
Waste code: 080409 (product), 150110 (packaging)

### **Safety note:**

Please note the Safety Data Sheets.