

High yield combined with **very good thermal and sound insulation values** - thinking economically with blaugelb.



blaugelb 1C Gun Foam XXL Class E

An assembly foam with an extremely high yield - the economical solution from blaugelb.

- Can be used at surrounding and surface temperatures of -5 °C to $+30\text{ °C}$
- Very good sound insulation of more than 60 dB
- Class E fire behaviour according to DIN EN 13501-1, corresponds to B2 (DIN 4102-1)
- Non-bonding safety valve allows vertical or horizontal storage without a loss of propellant, with extended storage stability
- High yield up to 65 litres

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Product features:

blaugelb 1C Gun Foam XXL Class E is a one-component PU assembly foam whose recipe delivers the maximum possible yield. Its high exit speed makes it fast and effective to use, even at low temperatures up to -5 °C.

The yield of the blaugelb 1C Gun Foam XXL Class E is increased even further through additional moistening (pre-wetting). The through-drying time is also shortened in this manner and the cell structure is refined. The best possible result is achieved when the can temperature is at least +5 °C.

With the high yield of up to 65 litres of foam from a 750 ml can the blaugelb 1C Gun Foam XXL Class E lets you work economically. Outstanding adhesion to all standard construction substrates (except polyethylene, silicone, oils, greases, mould release agents or similar materials). Once cured, the foam is semihard, predominantly closed, rot-proof and non-ageing, though not if exposed to UV radiation.

Applications: Filling – Insulating – Sealing. In window construction suitable for the backfilling and sealing of connecting joints in windows and roller shutter cases and for the filling of connecting joints of outer door cases (not for assembly without any additional mechanical attachment). For filling wall recesses, cable runs and other cavities with foam.

Product benefits:

- Can be used at surrounding and surface temperatures of -5 °C to +30 °C
- Fast handling
- High coverage with a yield of up to 45 or 65 litres of foam
- Outstanding thermal and sound insulation values
- Moisture and temperature resistant
- Work possible irrespective of the weather
- Non-bonding safety valve allows vertical or horizontal storage without a loss of propellant, with extended storage stability
- For universal application for filling, insulating and sealing
- Blowing agent not harmful for the ozone layer
- Manufactured under an ISO 9001-compliant quality system
- Exceptionally suited for time-critical application due to its fast processability
- Suitable for all standard construction surfaces*
- Class E fire behaviour according to DIN EN 13501-1, corresponds to B2 (DIN 4102-1)
- Tested to be low in pollutants according to EMICODE EC1 Plus

*Carry out suitable pretests.

The information provided in this document corresponds to the information and technical details available to the best of our knowledge. However, this does not constitute a guarantee pursuant to section 443 of the German Civil Code (BGB). Our processing instructions are to be considered only as general guidelines and may differ in the individual case due to the range of possible uses and applications. They do not therefore automatically exempt the user from carrying out their own tests. We reserve the right to make technical modifications and enhancements at any time.

Technical data:

Apparent density:	10 - 13 kg/m ³
Cell size/consistency:	medium - fine
Non-tacky:	approx. 7 min (20 mm section)
Can be cut:	8 - 10 min (20 mm section)
Fully load bearing:	12 h (20 mm section)
Yield 500 ml can / 750 ml can:	up to 45 / 65 litres of foam
Processing temperature of can: min / max / ideal	+5 °C / +30 °C / +20 °C
Processing temperature of surface: min / max / ideal	-5 °C / +30 °C / +20 °C
Processing temperature of surroundings: min / max / ideal	-5 °C / +30 °C / +20 °C
Tensile strength: on the basis of DIN 53430	8 N/cm ²
Elongation at break: on the basis of DIN 53430	approx. 18 %
Shear strength: on the basis of DIN 53427	approx. 3 - 3.5 N/cm ²
Compression stress at 10 % compression: on the basis of DIN 53421	approx. 2 - 3 N/cm ²
Thermal conductivity: DIN EN 12667:2001	approx. 0.0380 W/(m*K)
Joint sound insulation:	tested joint sound insulation 10 mm: [R _{ST,w} (C;C _w) ≥ 60 (-2;-6) dB] 20 mm: [R _{ST,w} (C;C _w) ≥ 59 (-1;-5) dB]
Permanent temperature resistance: cured foam	-40 °C to +80 °C
Short-term temperature resistance: cured foam	+100 °C
Building material class: DIN EN 13501-1:	Class E (normal combustibility) corresponds to B2 (DIN 4102-1)
Storage life: with dry, cool storage	15 months, vertical and horizontal
Valve type:	Safety valve
Colour:	ivory

Product name	PU	Item no.
blaugelb 1C Gun Foam XXL Class E 500 ml, with PDR, D/GB	12 x 500 ml can	0419830
blaugelb 1C Gun Foam XXL Class E 750 ml, without PDR, D/RUS/CZ	12 x 750 ml can	0419831

Preparation and processing:

The substrate must be firm, clean and free of grease, dust and loose parts. The ideal processing temperature of the can is +20 °C. Carefully warm up cans that are too cold in a lukewarm water bath. Do not expose the can to direct sunlight or leave in a hot vehicle.

ATTENTION: Never heat the can above +50 °C, as otherwise there is a danger of bursting. Carefully cool overheated cans accordingly in a lukewarm water bath; never shake them!

After bringing the can up to temperature, shake it well approx. 20 times

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before screwing it to the dispensing gun. Set the can down and screw it to the gun using the thread adapter on the ring nut of the can. Do not tilt or overtighten the can. An even finer and more even cell structure can be achieved by applying a max. 5 cm long adapter hose to the dispensing gun. Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer. Fill cavities only moderately, as the fresh foam will still expand by up to 100 %. We recommend moistening repeatedly after every foam layer in the case of larger joints and cavities. Insufficient moisture and/or overfilling of the cavities can lead to subsequent undesirable expansion of the foam. Control the amount of foam dispensed by pressing the pistol lever accordingly.

Remove fresh foam specks immediately (before it bonds) using the blaugelb Foam Gun Cleaner. When cured, foam can only be removed mechanically. After handling, clean the dispensing gun and any adapter hose used with the blaugelb Foam Gun Cleaner. If the can was not emptied, leave the dispensing gun screwed on until the next application. Once opened, use the can within 4 weeks. Unscrew the dispensing gun from the completely empty can and clean it from the outside with the blaugelb Foam Gun Cleaner. Then screw it onto a can of blaugelb Foam Gun Cleaner to clean the inside and press the lever several times. Hold the tip of the gun in a suitable collecting container while doing so. Caution: blaugelb Foam Gun Cleaner exits under high pressure.

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 15 months at a storage temperature between +10 °C and +20 °C.

Disposal:

The disposal conforms with the national specifications. In Germany cardboard boxes with empty PU foam cans are picked up and disposed of by the PDR.

Safety note:

Please note the safety data sheets on www.blaugelb.de