

The **stable all-rounder** with high internal values.



blaugelb 1C Gun Foam B2

Dimensionally stable and with high adhesion – the assembly foam for varied applications.

- Can be used at surrounding and surface temperatures up to +35 °C
- Very good sound and thermal insulation
- Excellent adhesion to almost all substrates
- Resistant to a number of chemicals, solvents, paints, oil and petrol
- Fire behaviour corresponds to B2 (DIN 4102-1)

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Product features:

blaugelb 1C Gun Foam B2 is a one-component PU assembly foam with outstanding dimensional stability and adhesion. The volume shrinkage and subsequent elongation after curing are extremely low. Together with the rapid full cure, this allows efficient work and swift further processing. The blaugelb 1C Gun Foam B2 can be precisely dispensed, has high stability and does not collapse when applied. In this way, even larger cavities can be easily filled with several layers of foam.

The high noise and thermal insulation values of the blaugelb 1C Gun Foam B2 ensure an excellent insulating function. The adhesion is outstanding on all standard construction substrates such as concrete, stone, wood, polyester, rigid PVC, polystyrene like EPS and XPS, rigid PIR/PUR foam, corrosion-protected metal, plaster, masonry.

The foam does not adhere to polyethylene, polypropylene, PTFE and silicone, oils, greases, mould release agents or similar materials. (Carry out suitable pretests). 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 for the backfilling, insulation and insulation sealing of connecting joints on windows and door frames. For filling wall recesses, roller shutter cases, cable runs and other cavities with foam. For the damming and insulation of window sills.

Product benefits:

- Outstanding dimensional stability, meaning no volume shrinkage and only low subsequent elongation after curing
- Excellent adhesion to almost all substrates*
- Very good sound and thermal insulation
- Rapid full cure
- Versatile in application
- Solvent-free
- Resistant to a number of chemicals, solvents, paints, oil and petrol
- Non-ageing, rotproof, resistant to mould and decay
- Manufactured under an ISO 9001-compliant quality system
- Fire behaviour B2 (DIN 4102-1)
- Tested to be low in pollutants according to EMICODE EC1 Plus

*Carry out suitable pretests.

Technical data:

Apparent density:	Approx. 22 kg/m ³
Cell size/consistency:	stable; approx. 70 – 80 %, closed
Non-tacky:	approx. 8 min (30 mm section)
Can be cut:	approx. 40 min (30 mm section)
Fully load bearing:	approx. 12 h (30 mm section)
Can be despread:	approx. 2 h (30 mm joint)
Yield of 750 ml can:	up to 45 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 / +35 °C / +20 °C
Processing temperature of surroundings: min / max / ideal	+5 °C / +35 °C / +20 °C
Elongation at break: DIN 53571	approx. 10 %
Shear strength: ISO 1922	0.14 N/mm ²
Compression stress at 10 % compression: DIN EN ISO 844	0.3 N/mm ²
Thermal conductivity: DIN 52612	approx. 0.0367 W/(m*K)
Joint sound insulation:	tested joint sound insulation 10 mm: [R _{ST,w} (C;C _w) = 60 (-1;-3) dB] 20 mm: [R _{ST,w} (C;C _w) = 60 (-1;-3) dB]
Permanent temperature resistance: cured foam	-40 °C to +90 °C
Short-term temperature resistance: cured foam	+120 °C (max. up to 1 h)
Building material class: DIN 4102-1	B2 (normal combustibility)
Change in volume: DIN EN ISO 10563	< 3 %
Water absorption: EN 1609	1 vol.%
Storage life: with dry, cool storage	18 months, upright
Valve type:	siliconised safety valve
Colour:	beige

Product name	PU	Item no.
blaugelb 1C Gun Foam B2 750 ml, with PDR, D/GB	12 x 750 ml can	9022762

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 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

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overtighten the can. Set the gun's adjusting screw and control the amount of foam dispensed by pressing the gun lever accordingly. Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer.

An even finer and more even cell structure can be achieved by applying a max. 5 cm long adapter hose to the dispensing gun. Fill cavities and joints approx. 2/3 full as the fresh foam continues to expand. Substrates with building moisture (not wet) are suitable. Slightly moisten dry substrate at suitable temperature conditions directly before applying foam. We recommend moistening repeatedly after every foam layer in the case of larger joints and cavities. Only apply max. 40 mm per layer and wait about 5 minutes before applying the next layer. Insufficient moisture and/or overfilling of the cavities can lead to subsequent undesirable expansion of the foam.

As the can becomes more empty, open the adjusting screw on the gun farther. Shake the can again in the event of longer interruptions. 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 18 months at a storage temperature between +5 °C and +25 °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