High performance and a high degree of protection – combined in one product.

GEV-EMICODE EC 1 PLUS sehr emissionsarm

blaugelb 1C Gun Foam EcoTech White Plus Class E

The powerful assembly foam from blaugelb for healthy joint insulation.

- **For healthy construction**
- **Satisfies the highest DGNB quality level 4**
- **Low-monomer**
- **Very low-emission**

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Product features:

blaugelb 1C Gun Foam EcoTech White Plus is a one-component PU filling foam whose next-generation formula enables sustainable insulation.

Due to the low residual content of free isocyanate < 0.1 %, blaugelb 1C Gun Foam EcoTech White Plus offers greater user friendliness when processing. The highest of the 4 quality levels from DGNB is met. blaugelb 1C Gun Foam EcoTech White Plus is also very low-emission, as verified by the EMICODE EC1 Plus certificate. blaugelb 1C Gun Foam EcoTech White Plus is thus predestined for sustainable, health-conscious construction.

The very fine cell structure and pure white colour already distinguish it visually from conventional canned foams. The technical values are also outstanding. Thanks to its excellent sound and thermal insulation, airtightness and user friendliness, it is suitable for use in the façade and the dry construction sector. Its high exit speed makes it fast and effective to use.

Applications: Filling – Insulating – Sealing. In window construction for the backfilling and insulating 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 foaming wall recesses, cable runs and other cavities, for roof extensions and roof insulation.

Product benefits:

- Satisfies the highest level for sustainable construction (DGNB 2018): quality level 4
- Low-monomer, harmless for users
- No training necessary for isocyanates
- Moisture-curing
- Fast handling
- Yield up to 24 litres, up to 19 linear metres of window frame (lfm)
- Can be used at temperatures from +5 °C to +30 °C
- Outstanding thermal and sound insulation values
- Moisture and temperature-resistant
- Very fine cells and rather elastic, durably stable and accommodates movement
- Non-bonding safety valve allows vertical or horizontal storage without a loss of propellent, with extended storage stability
- For universal application for filling, insulating and sealing
- Propellant harmless to the ozone layer
- Manufactured under an ISO 9001-compliant quality system
- Suitable for all standard construction surfaces*
- Building material class B2 (DIN 4102), corresponds to Class E (EN 13501-1)
- Tested to be low in pollutants according to EMICODE EC1 Plus

*Carry out suitable pretests.

Technical data:

Density of the released foam: **EN 17333-1.3 dry**	Approx. 19 kg/m³
Cell size/consistency:	Predominantly closed
Non-tacky: **EN 17333-1.2 dry**	Approx. 20 min
Can be cut: **EN 17333-3.1 dry**	Approx. 95 min
Fully load bearing**:**	Approx. 12 h (30 mm section)
Yield: **EN 17333-1.1 dry**	Up to 18 lfm
Yield: **EN 17333-1.2 moist**	Up to 24 l
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
Elongation at break: **EN 17333-4.2 dry**	Approx. 30 %
Elongation at break: **EN 17333-4.2 moist**	Approx. 28 %
Shear strength: **EN 17333-4.3 moist**	Approx. 55 kPa
Compressive strength at 10 % compression: **EN 17333-4.1 dry**	Approx. 20 kPa
Compressive strength at 10 % compression: **EN 17333-4.1 moist**	Approx. 20 kPa
Thermal conductivity: **DIN EN 12667:2001**	Approx. 0.035 W/(m*K)
Air permeability when new:	a < 0.1 m³ / [h*m*(daPa)$^{2/3}$] No measurable air passage
Joint sound insulation:	Tested joint sound insulation 10 mm: [$R_{S,w}$ (C;C_{tr}) ≥ 64 (-1;-5) dB] 20 mm: [$R_{S,w}$ (C;C_{tr}) ≥ 64 (-1;-4) dB]
Temperature resistance cured:	-40 °C to +60 °C
Building material class: **DIN 4102-1**	B2 (normal combustibility)
Storage life: with dry, cool storage	18 months, vertical and horizontal
Valve type:	Safety valve
Colour:	White

(At 23 °C, 50 % relative humidity)

Product name	PU	Item no.
blaugelb 1C Gun Foam EcoTech White Plus Class E 500 ml, **with PDR**	12 x 500 ml can	9191064

Preparation and processing:

Prepare the components properly for application. The substrate must be firm, clean and free of grease, dust and loose parts. Outstanding adhesion to all standard construction substrates (except polyethylene, silicone, oils, greases, mould release agents or similar materials). Once cured, the foam is elastic, predominantly closed-cell, rot-proof, resistant to moisture, temperature and ageing, though not resistant to the effects of UV radiation.

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 on the floor and screw the dispensing gun onto the ring nut of the can, taking care not to tilt or overtighten it. Shake again approx. 20 times in the event of longer interruptions.

Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer.

If the temperature conditions are suitable, moisten the substrate with water immediately before filling with foam. Repeated moistening after every foam layer is recommended in the case of larger joints and cavities. Fill cavities only moderately, as the fresh foam will expand by up to 220 %. 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 moisture, frost and heat. Can be stored for 18 months at a storage temperature between +10 °C and +20 °C. Considerably higher temperatures shorten the shelf life.

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 sheet.