Technical data sheet

PARAFOAM FLEXIBLE NBS



CHARACTERISTICS

- One-component PU gunfoam
- High water resistance
- All-season foam, can be used at low temperatures.
- Low post-expansion
- Good thermal and acoustic insulation
- Cured foam can be cut, sawn, plastered and painted and is resistant against water
- Accurately controlled application with NBS gun
- Elastic foam, absorbs movements of surrounding materials perfectly and prevents foam tearing or cracking
- Excellent adhesion to most common building materials such as wood, concrete, brick, plaster, metal, polystyrene (EPS and XPS), polyurethane...

APPLICATIONS

- Extremely suitable for expansion joints.
- Ideal for durable insulation in low-energy and passive homes.
- Sealing of windows and doors.
- Filling of voids and gaps (in roof constructions).

TECHNICAL CHARACTERISTICS	
Type of product	Polyurethane-prepolymer
Application temperature	-5°C - +30°C
Temperature resistance	-50°C - +90°C
Joint density 3x10 cm (kg/m³)	17 - 22
Compression strength, moistened surface (N/cm²)	> 0.3
Curing system	Reaction by humidity
Vapour diffusion coefficient (μ)	22 (Sd = 0,4 m EN12086)
Air permeability: DIN 18542, EN12114 (m³/[h·m·(daPa)²/³)	< 0.1
Tensile strength EN17333-4, moistened surface (N/cm²)	> 5.5
Temperature product when applying	+5°C - +25°C (ideal at 20°C)
Elongation at break, EN17333-4, moistened surface (%)	20
Foam yield: EN17333-1 (l)	40 - 45
Foam yield joint 3x5cm (m)	15
Shrinkage: TM 1004	< 1%
Tack-free: EN17333-3 (min.)	6 - 10
Cuttable: EN17333-3 (min.)	< 30
Cured in the joint 3x5cm (hour)	< 8
Thermal conductivity: EN 12667, EN17333-5 (W/mk)	0.033
Acoustic damping index Rw: EN ISO 10140 (dB)	63
Shear strength EN17333-4, moistened surface (N/cm²)	> 3
Fire class: DIN4102-1	B2
Shelf life of unopened product	15 months
Storage conditions	Transport and store upright in a dry, cool place at +5°C to +30°C.

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DL CHEMICALS Since 1936 Manufacturer of Sealants

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Last Update: 28-11-2026

PACKING AND COLOURS

12 x can 750ML/box - 672 pieces/pallet
Violet

METHOD OF USE

Preparation

- Wear gloves and safety glasses.
- Use in well-ventilated rooms. Good ventilation is important during application and curing of the product.
- Chilled cans must be warmed up in lukewarm water. The can must not be heated above +30°C. Cans which are too hot must be cooled in water. Shake the can occasionally during this process to obtain the required temperature faster.
- The surfaces must be free of dust and grease. Always pre-moisten surfaces, because foam expands due to humidity.
- Shake the can vigorously at least 20 times before use. Do not shake a can already screwed onto a gun by holding only the gun.
- Keep the can in upright position when screwing onto the NBS gun. Move the gun to the can by holding the gun handle with one hand and screwing the can with the other hand. Do not turn the can during screwing.

Application

- Hold the can upside down when extruding the foam. Dose the volume with the adaptor or by using the gun trigger and the adjustment screw.
- Fill the joints to 60-70%.
- For larger joints, apply in several layers and moisten between the layers.
- Keep the foam can with gun or adaptor upright after use.

Cleaning

- Fresh foam spills must be removed immediately within the tack-free time with PU Foam & Gun Cleaner. Cured foam can be removed mechanically or with Parafoam Remover.

SAFETY

Consult the safety information on the packaging and the safety data sheet for more information. Professional use requires mandatory PU training since 24/08/2023. More information: www.dl-chem.com/pu_training

POINTS OF ATTENTION

- Does not adhere to PE, PP, PTFE, silicone, oil, grease and similar surfaces.
- Do not expose to UV exposure for long periods. In case of prolonged exposure, cover the product.
- The specified technical values are obtained at +23 °C and 50% relative humidity, unless otherwise indicated. These values may vary depending on environmental factors such as temperature, humidity, and type of substrate.

TECHNICAL APPROVALS AND QUALITY LABELS

- GEV Emicode EC1plus label: very low VOC emissions
- French VOC emission class A+
- IFT Rosenheim: Air permeability
- IFT Rosenheim: Sound reduction
- IFT Rosenheim: Thermal conductivity
- IFT Rosenheim: Water vapour permeability

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