Technical data sheet

PARAFOAM LOW MDI NBS

CHARACTERISTICS

- One-component PU foam with very low diisocyanate content (<0.1%). High thermal and acoustic insulation due to its dense, consistent, flexible cell structure.
- High water resistance
- Low expansion pressure (avoids deformation of the material)
- 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
- High and lasting flexibility, does not become brittle
- Enhanced UV resistance, better than standard PU foam
- Excellent adhesion to most common building materials such as wood, concrete, brick, plaster, metal, polystyrene (EPS and XPS), polyurethane...
- No additional humidification needed

APPLICATIONS

- Sealing, insulating and filling joints such as: installation and insulation of window and door frames, insulations of wall lead-throughs, filling up small cracks, cavities, joints, sealing thermal or acoustic insulation panels....
- Extremely suitable for expansion joints.
- Suitable for narrow and deep joints and large cavities (no additional moistening required).

TECHNICAL CHARACTERISTICS	
Type of product	Polyurethane-prepolymer
Application temperature	+5°C - +30°C (optimal at 20°C)
Temperature resistance	-50°C - +70°C
Joint density 3x10 cm (kg/m³)	15 - 19
Compression strength TM 1011, moistened surface (N/cm²)	> 1.5
Curing system	Reaction by humidity
Tensile strength TM 1018, moistened surface (N/cm²)	> 9.5
Cell structure	Fine
Temperature product when applying	Between +10°C and +25°C (ideal at 20°C)
Elongation at break, TM 1018, moistened surface (%)	40
Foam yield: TM 1003 (l)	23 - 28
Foam yield joint 3x5cm (m)	12
Shrinkage: TM 1004	< 3%
Tack-free: TM 1014 (min.)	23 - 27
Cuttable: TM 1005 (min.)	< 70
Cured in the joint 3x5cm (hour)	< 48
Thermal conductivity: EN 12667, TM 1020 (W/mk)	0.034
Acoustic damping index Rw: EN ISO 10140 (dB)	62
Shear strength TM 1012, moistened surface (N/cm²)	> 6.5
Fire class: DIN4102-1	B3
Shelf life of unopened product	15 months
Storage conditions	Transport and store upright in a dry, cool place at +5°C to +30°C.

DL CHEMICALS Since 1936 Manufacturer of Sealants

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Last Update: 22-09-2025

PACKING AND COLOURS

12 x can 700ML/box - 672 pieces/pallet
White

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. Do not pre-moisten surfaces. No humedecer la superficie.
- Shake can vigorously at least 20 times before use.
- 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%.
- 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.

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.
- Foam cures under the influence of air humidity. Do not shut off from air until the foam is fully cured.
- Store canisters upright to prevent valve blockage.
- 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+

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