



## CHARACTERISTICS

- One-component PU gunfoam
- Fire retardant
- High water resistance
- 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
- Fire-resistant up to 240 minutes
- Excellent adhesion to most common building materials such as wood, concrete, brick, plaster, metal, polystyrene (EPS and XPS), polyurethane...

## APPLICATIONS

- Sealing of joints in fire-resistant walls, installation of fire-resistant doors and windows, and other sealing work in areas where there are higher requirements for the fire resistance of building materials.

## TECHNICAL CHARACTERISTICS

Type of product	Polyurethane-prepolymer
Application temperature	+5°C - +30°C (optimal at 20°C)
Temperature resistance	-50°C - +90°C
Joint density 3x10 cm (kg/m <sup>3</sup> )	17 - 22
Compression strength TM 1011, moistened surface (N/cm <sup>2</sup> )	> 4
Curing system	Reaction by humidity
Vapour diffusion coefficient: ISO 15106 (μ)	μ = 11 (EN12086)
Tensile strength TM 1018, moistened surface (N/cm <sup>2</sup> )	> 9.5
Temperature product when applying	Between +10°C and +25°C (ideal at 20°C)
Elongation at break, TM 1018, moistened surface (%)	14
Foam yield: TM 1003 (l)	40 - 45
Foam yield joint 3x5cm (m)	15
Shrinkage: TM 1004	< 1%
Tack-free: TM 1014 (min.)	6 - 10
Cutable: TM 1005 (min.)	< 30
Cured in the joint 3x5cm (hour)	< 8
Thermal conductivity: EN 12667, TM 1020 (W/mk)	0.03
Acoustic damping index Rw: EN ISO 10140 (dB)	62
Shear strength TM 1012, moistened surface (N/cm <sup>2</sup> )	> 4.5
Fire class: DIN4102-1	B1
Fire class EN13501-1	B-s1,d0
Fire resistance class: EN 13501-2 (min)	240
Shelf life of unopened product	12 months
Storage conditions	Transport and store upright in a dry, cool place at +5°C to +30°C.

## PACKING AND COLOURS

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply

## 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](http://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.
- Store canisters upright to prevent valve blockage.
- Not suitable to be applied with the Easygun Adapter.
- 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

- French VOC emission class A+
- Classification of Fire Resistance in accordance with EN13501-2:2016 and tested according to EN 1366-4 (tested by TÜV). Depending on the specific dimension of the linear joint, a fire resistance of up to 240 min. is achievable.

The classification report is available upon request. Fire Resistance Classification: EI 30-V-X-F-W-00 to 40 - Joint depth

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100mm and over ; EI 45-V-X-F-W-00 to 20 - Joint depth 100mm and over ; EI 60-V-X-F-W-00 to 10 - Joint depth 100mm and over ; EI 90-V-X-F-W-00 to 60 - Joint depth 200mm and over ; EI 120-V-X-F-W-00 to 30 - Joint depth 200mm and over ; EI 180-V-X-F-W-00 to 20 - Joint depth 200mm and over ; EI 240-V-X-F-W-00 to 10 - Joint depth 200mm and over.



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