



CHARACTERISTICS

- One-component PU gunfoam
- Construction foam with very low expansion pressure (avoids deformation of the material)
- Very high volume - moderate post expansion (low curing pressure)
- Good thermal and acoustic insulation
- CFC- and HCFC- free (ozon friendly)
- Accurately controlled application with NBS gun
- High dimensional stability (no shrinkage)
- Cured foam can be cut, sawn, plastered and painted and is resistant against water

APPLICATIONS

- Filling, sealing and insulating of joints:
 - Partition walls with ceilings,
 - Structural space between window- and door frames and walls,
 - Structural- and fitting space between prefabricated construction elements,
 - Seams between chimneys, roof protection, roof panels and wall panels,
 - Between insulation boards...
- Also suitable for bonding lightweight insulation panels: polystyrene-based (XPS, EPS) and polyurethane-based (light PUR and light PIR) in indoor applications (testing the adhesion in advance).
- Excellent adhesion to wood, concrete, stone, masonry, plasterwork, metals, most plastics, polystyrene, polyurethane foam, polyester, hard PVC, etc.

TECHNICAL CHARACTERISTICS	
Base	Polyurethane-prepolymer
Colour	Beige yellow
System	Moisture
Density in joint 3x10 cm	15 - 19 kg/m ³
Foam yield (TM 1003)	± 35 l (700 ml can)
Foam yield in joint 3x5 cm	14 m (700 ml can)
Bonding capacity of insulation panels with Ø 30 mm glue bead	Up to 8 m ²
Dimensional stability (TM 1004)	< 1 %
Fire class (DIN 4102-1)	B3
Tack free time (TM 1014)	6 - 10 min.
Cutting time (TM 1005)	< 30 min.
Completely cured in joint 3x5 cm	< 8 h
Ambient temperature during use	+5°C to +30°C (Optimal at 20°C)
Can temperature during use	+5°C to +25°C (Optimal at 20°C)
Temperature resistance of cured foam	-50°C to +90°C
Elongation at break (TM 1018, moistened surfaces)	22%
Tensile strength (TM 1018, moistened surfaces)	> 60 kPa
Shear strength (TM 1012, moistened surfaces)	> 20 kPa
Compression strength (TM 1011, moistened surfaces)	> 5 kPa
Thermal conductivity (EN 12667, TM 1020)	0,033 W/mk
Sound reduction index R _w (EN ISO 10140)	62 dB
Shelf life, unopened in the original packing and vertically stored in a cool and dry area at +5°C to +30°C	12 months

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.

Technical data according to test methods approved by FEICA. These test methods are designed to provide transparent and reproducible test results, giving an accurate representation of product performance. The FEICA OCF test methods are available at <http://www.feica.eu/our-industry/pu-foam-ocf.aspx>. FEICA is the multinational association representing the European adhesive and sealant industry, including the producers of one-component foam manufacturers. More information at www.feica.eu.

PACKING

12 cans of 700 ml/box - 56 boxes/pallet

METHOD OF USE

Preparation

- Use only in well-ventilated areas.
- Surfaces should be clean and free of dust and grease.
- Substrates must always be pre-moistened, as foam expands due to humidity.
- Chilled cans must be carefully warmed up in lukewarm water before usage. However the can must not be heated above +50°C, as there is a risk of bursting. Cans which are too hot must be cooled in water. The can should be shaken occasionally during this process to obtain the required temperature faster.

Application

- Wear gloves and safety glasses.
- Shake foam 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. Do not aim the gun at people (Consult the NBS gun manual).
- Hold the can upside down when extruding the foam. The dispensing volume can be controlled by using the gun trigger and the adjustment screw.
- Keep the foam can with gun upright after use.

Filling, sealing and insulating

- Fill the joints to 60-70%.
- For larger joints, apply in several layers and moisten between the layers.

Bonding lightweight insulation panels (only in indoor applications)

- During application, a distance of 1-2 cm between the nozzle and the substrate must be maintained.
- Apply the PU foam in grooves of 30 mm in diameter along the edges of the panel (\pm 3 to 4 cm from the edge) and in the middle parallel to the longest side of the panel (25 cm distance between the grooves).
- After application: wait 2-3 minutes and then press the insulation panel against the wall whilst floating it into the right position. The applied PU foam is tack free after 6-10 minutes. If the PU foam is already tack free before the panel has been fixed to the wall, the PU foam has to be renewed. The panels are laid starting from the bottom so that they touch each other and are staggered at the corners of the building. Strictly follow the instructions of the panel manufacturer.
- During the curing process, the PU foam expands slightly and may push some of the panels away from the wall. Therefore check the panels and push them back to the wall before the PU foam has set.
- Sufficient adhesion is obtained after 8 hours, further processing is then possible.

Cleaning

- Fresh PU foam spills must be removed immediately within the tack-free time with **Parafoam Gun & Spray cleaner**.
- Cured PU foam can only be removed mechanically or with **Parafoam remover**.

SAFETY

Please consult the safety data sheet at www.dl-chem.com.

LIMITATIONS

- Does not adhere to PE, PP, PTFE, silicone, oil, grease and similar surfaces.
- Not UV resistant.

TECHNICAL APPROVALS



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



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