



PATTEX General PU - Economy gunfoam

One-component economy PU gunfoam

CHARACTERISTICS

- One-component moisture cure semi-rigid polyurethane foam with excellent open-closed cells ratio and good mechanical strength.
- It is easily usable and applicable with special foam applicator.
- Please use the applicator tested and approved by producer of the product for best working experience.
- The foam is self-expanding and during the curing process expands about 2 times.
- Foam has good adhesion on most building materials like wood, concrete, stone, metal etc.
- Some metal surfaces might need pre-treatment to enhance adhesion.
- Yield of the cured foam largely depends on of working conditions – temperature, air humidity, available space for expanding, etc.
- Product does not contain CFC-propellants.

APPLICATION FIELD

- Insulation of window and door frames
- Filling of cavities
- Sealing cavities around pipes
- Bonding wood, PVC, etc.
- Creating soundproof screens

ATTENTION!

Cured PU foam must be protected from UV radiation by painting or applying a top layer of sealant, plaster, mortar, or other type of covering. Adhesion of the product is weak on polyethylene, Teflon® and on some other plastic surfaces.



INSTRUCTIONS FOR USE

Substrate preparation

Substrates must be stable, clean and free from substances likely to impair adhesion. At low temperatures special care must be taken to avoid freezing of the water on the surfaces. To ensure full and even curing of the foam, moisten mineral, porous substrates (brickwork, concrete, limestone) with water mist before application. Mask off adjacent areas with foil. The surfaces can be moist, but not frosted nor iced.

Application temperature

Working temperature: 5 - 30°C.

Can temperature: 5 - 30°C.

Can has preferably to be stored for at least 12 hours in room temperature before commencing with application.

Application method

- Shake the can vigorously before use (15 - 20 times).
- Screw the applicator gun tightly onto the can.
- When working with the gun keep the can mainly in upside down position.
- The usage in other positions is possible, if work is commenced and finished with the can in upside down position.
- The outflow rate of the foam can be adjusted by pressing and releasing gun trigger.
- Dispense the foam sparingly to avoid excess overflows.
- Repeat shaking regularly during application.
- This is must when can is used not in the upside down position.
- It is not recommendable to remove the can from foam gun before it is totally empty.
- When replacing the can shake the new can vigorously.
- Unscrew the empty can and replace it immediately to ensure that there is no air left in the gun.
- If you do not want to replace the can, remove the foam from the gun using PU foam cleaner.
- Hardened foam can only be removed mechanically.

TECHNICAL DATA

Foam density, kg/cm ³ TM 1002:2014	17 - 21
Tack free time, min TM 1014:2013	7 - 10
Cutting time, min TM 1005:2013	30 - 40
Curing pressure, kPa TM 1009:2013	< 9
Post expansion, % HENK-PU-14.2	30 - 80 max +/- 10 Testing conditions: moisturised joint max +/- 5 Testing conditions: dry joint
Dimensional stability, % TM 1004:2013	5 Testing conditions: +5°C
Maximal joint width, cm TM 1006:2013	5
Shear strength Elongation at break, kPa % TM 1012:2015	44 - 55 50
Compression strength 10%, kPa TM 1011:2013	25 - 35
Fire class EN 13501	F Not measured.
Water absorption 24h EN 1609	Approximate value max 1 % might be used for calculation purposes. Not measured.
Water absorption 28 day EN 12087	Approximate value max 10 % might be used for calculation purposes. Not measured.
Sound insulation EN ISO 10140	Approximate value 60 dB might be used for calculation purposes. Not measured.
Thermal conductivity DIN EN 12667:2001	Approximate value 0,037 ... 0,040W/m ² K might be used for calculation purposes.
Yield per can, ml : L TM 1003:2013	750/1000 ml: max 45 L 700/1000 ml: max 42 L
Temperature resistance of cured foam: peaks up to 120°C.	-40°C ... 90°C, short term
All measurements on norm. climate (+23 ± 2 °C RH 50 ± 5%) unless indicated otherwise.	

LIMITATIONS

Limitations to joint maximal width exist in regard of ambient temperature and humidity levels.

- In dry conditions (during winter time, in rooms with central heating etc.), in order to get best foam structure and foam properties it is recommendable to fill gaps and joints in several layers by the application of smaller foam strings (up to 3 - 4 cm thickness) and slightly moisturizing between every layer.



GENERAL INFORMATION

Storage & shelf life

Best before 15 months.
For longest shelf life avoid storage above 25°C and below 5°C (up to -20°C for a short period). Preferably store can with the valve directed upwards. Protection from accidental rolling and unintended release is a must! Transportation of odd cans by passenger car: leave the container wrapped in a cloth in the trunk, never in the passengers' compartment.

Check separate **Storage and Handling Instructions**.

For **safety precautions and disposal instructions**, see the corresponding product Safety Data Sheet.

Packaging

700/1000 ml, 750/1000 ml

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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