



# PATTEX Universal PU Foam

Technical Data Sheet v.1, May 2026

One-component economy grade PU foam, manual straw application

## CHARACTERISTICS

- One-component, universal semi-rigid polyurethane foam with good open-closed cells balance and high mechanical strength.
- It is easily usable and applicable with attached application straw.
- The foam is self-expanding and during the curing process expands about 2 - 2.5 times.
- It has excellent adhesion on most building materials like wood, concrete, stone, metal, etc.
- Some metal surfaces might need pretreatment (priming) to enhance adhesion.
- Foam overflows cutting time strongly depends on the applications conditions.
- Full mechanical strength is achieved in 24 hours.
- 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

- Filling of cavities
- Insulation of window and door frames
- Sealing of openings in roof constructions and insulation materials
- Creating soundproof screens
- Filling of cavities around pipes
- Insulating of wall panels, roof tiles

## 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 of substances likely to impair adhesion. To ensure full and even curing of the foam, moisturize mineral or porous substrates (brickwork, concrete, limestone) with water spray. Mask off adjacent areas with foil. The surfaces can be moist, but not frosted or 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 foaming straw tightly onto the valve. The outflow rate of the foam is adjusted by pressing and releasing the trigger.
- Dispense the foam sparingly; fill the seal for about 50% because the foam will expand.
- Keep the can in upside down position and repeat shaking regularly during application.
- Remove fresh spots of foam with PU foam cleaner or acetone.
- Hardened foam can only be removed mechanically.

## TECHNICAL DATA

Foam density, kg/cm <sup>3</sup> TM 1002:2014	24 - 28
Tack free time, min TM 1014:2013	7 - 9
Cutting time, min TM 1005:2013	50 - 60
Curing pressure, kPa TM 1009:2013	< 10
Post expansion, % HENK-PU-14.2	150 - 190
Dimensional stability, % TM 1004:2013	max ± 5
Maximal joint width, cm TM 1006:2013	4 Testing conditions: +5 °C
Shear strength   Elongation at break, kPa   % TM 1012:2015	45 - 55   ca 40
Compression strength 10%, kPa TM 1011:2013	30 - 60
Fire class EN 13501	F
Water absorption 24h EN 1609	Not measured. Approximate value max 1 %
Water absorption 28 day EN 12087	Not measured. Approximate value max 10 %
Sound insulation EN ISO 10140	Not measured. Approximate value 60 dB might be used for calculation purposes.
Thermal conductivity DIN EN 12667:2001	Not measured. Approximate value 0,037 ... 0,040W/m*K might be used for calculation purposes.
Yield per can, mL : L TM 1003:2013	750/1000 mL : max 31 L 700/1000 mL : max 28 L 650/1000 mL : max 26.5 L 450/1000 mL : max 18 L 500/650 mL : max 20 L 400/650 mL : max 16 L 300/405 mL : max 12 L
Temperature resistance of cured foam: -40°C ... 90°C, short term peaks up to 120°C.	
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.
- One time use should be expected.



## 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). Always store can with the valve directed upwards. 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

300/405 ml, 400/650 ml, 450/1000 ml, 500/650 ml, 650/1000 ml, 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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