



PRODUCT TYPE

1K aerosol straw foam

PRODUCT FEATURES

One-component, moisture cure semi-rigid polyurethane foam with excellent 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 to 2.5 times. Has excellent adhesion on most building materials like wood, concrete, stone, metal etc. Yield of the cured foam largely depends on working conditions – temperature, air humidity, available space for expanding, etc. Product does not contain CFC-propellants.

APPLICATION INSTRUCTIONS

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, 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

- **Working temperature** – from +5°C to +30°C.
- **Can temperature** - from +5°C to +30°C. Can has preferably to be stored for at least 12 hours in room temperature.

Application method

- Shake the can vigorously before use (15 - 20 times).
- Screw the foaming straw to the valve.
- The outflow rate of the foam is controlled by pressing trigger.
- Dispense the foam sparingly; fill the seal for about 50% as the foam will expand.
- Repeat shaking regularly during application.
- **Remove** fresh spots of foam with PU foam cleaner or acetone. Hardened foam can only be removed mechanically.

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.
- At very dry conditions, the foam may be brittle directly after the hardening. This brittleness is a temporary effect and disappears after a while or by warming up. Once the foam is flexible, it does not get brittle again even at cold temperatures.

SHELF-LIFE | STORAGE AND HANDLING

Best before 12 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**.

PACKAGING

500/650 ml, 750/1000 ml

MAIN APPLICATIONS

- Insulation of window and door frames
- Mounting of window and door frames, window sills
- Filling of cavities
- 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 other plastic surfaces.

PROPERTIES

Foam density TM 1003-2010	ca 25 kg/m ³
Tack free time HENK PU 4-3	8 – 12 min
Cutting time TM 1005-2010	45 – 60 min
Curing pressure TM 1009-2012	max 20 kPa
Post expansion TM 1010-2012	max 150 %
Dimensional stability TM 1004-2012	+/- 2 %
Maximal joint width TM 1006-2011	4 cm Testing conditions: +5 °C
Shear strength TM 1012-2011	ca 65 kPa
Compression strength 10% TM 1011-2011	n.a.
Fire class EN 13501	F
Water absorption 24h EN 1609	max 1 %
Water absorption 28 day EN 12087	max 10 %
Sound damping EN ISO 10140	60 dB
Yield per can TM 1003-2010	750/1000 ml: max 35 L 500/650 ml: max 23 L

- **Temperature resistance of cured foam:**
-40 °C...+90 °C, short term peaks up to +120 °C.
- **Thermal conductivity of cured foam:**
0,037...0,40 W/mK

All measurements on norm. climate (+23 ± 2 °C | RH 50 ± 5%) unless indicated otherwise.

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



Henkel uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one component foam manufacturers. Further information at: www.feica.eu.

