



## PRODUCT TYPE

1K aerosol straw foam

## PRODUCT FEATURES

One-component, moisture cure semi-rigid polyurethane foam featuring high output of the foam. It is easily usable and applicable. Special formulation and special nozzle are increasing foam yield. The characteristics of the foam during application are similar to the gun foams – economical dosage, precise filling, low curing pressure. Has an excellent adhesion on wood, concrete, stone, metal etc. The surfaces can be moist, but not frosted or iced. The output is largely depending on of 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 before application. Mask off adjacent areas with foil. The surfaces can be moist, but not frosted or iced.

### Application temperature:

- **Working temperature** - from +5°C to +30°C.
- **Can temperature** – from +5°C to +30 °C. Before application 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 tightly onto the valve. The outflow rate of the foam is controlled by pressing the 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

750/1000 ml

## MAIN APPLICATIONS

- Insulating window and door frames
- Filling of cavities
- Sealing of cavities around pipes
- Bonding wood, PVC, etc.

**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

<b>Foam density</b> HENK-PU-10.3	ca 21 kg/m <sup>3</sup>
<b>Tack free time</b> TM 1014:2013	6 – 10 min
<b>Cutting time</b> TM 1005:2013	35 – 50 min
<b>Curing pressure</b> TM 1009:2013	max 3 kPa
<b>Post expansion</b> HENK-PU-14.1	max 100 %
<b>Dimensional stability</b> TM 1004:2013	+/- 5 %
<b>Maximal joint width</b> TM 1006:2013	4 cm Testing conditions: +5 °C
<b>Shear strength</b> TM 1012:2013	ca 50 kPa
<b>Compression strength 10%</b> TM 1011:2013	n.a.
<b>Fire class</b> EN 13501	F
<b>Water absorption 24h</b> EN 1609	max 1 %
<b>Water absorption 28 day</b> EN 12087	max 10 %
<b>Sound damping</b> EN ISO 10140	60 dB
<b>Yield per can</b> TM 1003:2013   TM 1007:2013	39 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](http://www.feica.eu).

