



## PRODUCT TYPE

1K aerosol gun foam

## PRODUCT FEATURES

One-component, moisture cure semi-rigid polyurethane foam with increased yield. It is easily usable and applicable with special foam applicator. Please use the applicator tested and approved by producer of the can for best working experience. While the foam is self-expanding, the post expansion and curing pressure are minimal, contributing further to convenience and accurate dosage during application. Foam has excellent adhesion on most building materials like wood, concrete, stone, metal etc. Output of cured foam per can is approx. 35 % higher when compared to usual gun foams. Yield of the cured foam largely depends on working conditions – temperature, air humidity, available space for expanding, etc. Product does not contain CFC-propellants. Can is equipped with new generation valve, contributing to longer shelf-life and long-term quality of the product.

## 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 temperature

- **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).
- Remove the plastic cap from the can and screw the can tightly onto the gun. When working with the gun always keep the can upside down. The outflow rate of the foam is controlled by pressing gun trigger.
- Dispense the foam sparingly to avoid excess overflows. Repeat shaking regularly during application.
- It is not recommendable to remove the can 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.

### 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 – at lower temperatures, heated rooms - 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 18 months.** For longest shelf life avoid storage above +25°C and below +5°C (up to – 20 °C for a short period). Can might be stored in vertical and horizontal position. 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.

## PACKAGING

850/1000 ml

## MAIN APPLICATIONS

- Insulation of window and door frames
- Filling of large cavities and seals
- 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

<b>Foam density</b> HENK-PU-10.3	ca 16 kg/m <sup>3</sup>
<b>Tack free time</b> TM 1014:2013	5 - 9 min
<b>Cutting time</b> TM 1005:2013	20 - 30 min
<b>Curing pressure</b> TM 1009:2013	max 5 kPa
<b>Post expansion</b> HENK-PU-14.1	max 50 %
<b>Dimensional stability</b> TM 1004:2013	+/- 7 %
<b>Maximal joint width</b> TM 1006:2013	5 cm Testing conditions: +5 °C
<b>Shear strength</b> TM 1012:2013	n.a.
<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	850/1000 ml: max 55 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.

Check separate **Storage and Handling Instructions**.

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).

