



PRODUCT TYPE

1K aerosol gun foam

PRODUCT FEATURES

One-component moisture cure semi-rigid polyurethane foam with excellent open-closed cells and good mechanical strength. Product can be applied up to -10°C temperature. 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.

The foam is self-expanding and during the curing process expands about two times. Has excellent adhesion on most building materials like wood, concrete, stone, metal etc. Yield of the cured foam largely depends on of working conditions – temperature, air humidity, available space for expanding, etc. At minus temperatures the expansion of foam is lower and curing time longer. 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 before application. At low temperatures special care has to be taken to avoid freezing of the water on the surfaces. Mask off adjacent areas with foil. The surfaces can be moist, but not frosted nor iced.

Application temperature

- Working temperature from -10°C to +25°C.
- Can temperature – from +5°C to +25°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 applicator gun tightly onto the can. 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 low 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

750/1000 ml

MAIN APPLICATIONS

- Application at low temperatures
- 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 other plastic surfaces.

PROPERTIES

Foam density HENK-PU-10.3	ca 20 kg/m ³
Tack free time TM 1014:2013	6 - 10 min
Cutting time TM 1005:2013	ca 35 min
Curing pressure TM 1009:2013	max 20 kPa
Post expansion HENK-PU-14.1	max 70 %
Dimensional stability TM 1004:2013	+/- 5 %
Maximal joint width TM 1006:2013	5 cm Testing conditions: -10 °C
Shear strength TM 1012:2013	ca 40 kPa
Compression strength 10% TM 1011:2013	
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 1003:2013 TM 1007:2013	750/1000 ml: max 35 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.

