

ONE-COMPONENT POLYURETHANE FOAM FOR EASY FILLING OF OPENINGS AND INSTALLATION OF WINDOWS & DOORS

FEATURES AND BENEFITS

- UNIVERSAL FOAM is a polyurethane foam designed for easy installation of windows & doors, filling construction openings and insulating.
- Hardens with air humidity.
- 5–10 minutes after application, it is no longer sticky to the touch, hardening time is 1.5 – 5 hours.
- It adheres well to all construction materials, including wood, concrete, gas concrete, brick, metal, glass, and aluminium.
- After application, it expands to 2–3 times its volume.
- Hardened foam ensures a strong joint and excellent insulation.
- After completing the work, it is necessary to protect the foam from UV light.
- To be applied using a mounting adapter.



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GEV-EMICODE

EC-1 PLUS [very low emission]

FIELD OF APPLICATION

Foam for easy installation of windows & doors, filling construction openings, for thermal insulation of plumbing and heating systems, fixing electrical installations and ventilation systems.

USAGE INSTRUCTIONS

Shake the can thoroughly before using it with the valve facing down, remove the protective cover and screw onto it the nozzle with a tube. Turn the can upside down and begin applying the foam by pressing the valve. Always work with the can vertically and the valve pointing downwards for maximum efficiency. After the work is interrupted, clean the can and tube with the TKK PU FOAM CLEANER. Hardened foam can be removed only mechanically. Surfaces to which the foam is applied must be clean and free of dust and grease. We recommend moistening the surfaces with water prior to application. The optimal can temperature during use is 20 – 25 °C. In case of lower can temperature, immerse the can in warm water

at a maximum temperature of 40°C for about 20 minutes. When filling an opening larger than 5 cm, work in layers. Only apply the second layer after the first layer has hardened. Once the foam has hardened, cut it with a sharp knife. Then you can begin the finishing work, such as plastering, applying sealant, gluing, repainting, etc.

TECHNICAL DATA

Volume:	FEICA OCF TM 1003	28–32 l (freely foamed)[600 ml]
Foam density:	FEICA OCF TM 1019	18–23 kg/m ³
Application temperature:		min. +5°C [surface], 20–25°C [can]
Tack free time:	FEICA OCF TM 1014	5–10 min.
Cutting time:	FEICA OCF TM 1005	20–25 min.
Hardening time:		1.5–5 hours, depending on temperature and humidity
Temperature resistance:		–40°C to +90°C
Dimensional stability:	FEICA OCF TM 1004	max. ± 5 %
Water absorption:	DIN 53428	max. 1 vol.%
Compression strength:	FEICA OCF TM 1011	0.04–0.05 MPa
Tensile strength:	FEICA OCF TM 1018	0.06–0.08 MPa
Elongation at break:	FEICA OCF TM 1018	20–25%
Thermal conductivity:	DIN 52612	0.036W/ [m K] at 20°C
Flammability class:	EN 13501 – 1	F

PACKAGING

600 ml aerosol can

other packing methods are available upon request

STORAGE

18 months [from +5°C to +25°C], even at lower temperatures [e.g., transport] for shorter periods.

Higher temperatures shorten storage life. Store cans in an upright position.

HEALTH, SAFETY, HANDLING AND DISPOSAL INFORMATION

Additional safety information, safe handling instructions, information on personal protective equipment, and disposal information can be found in the safety data sheet. Safety data sheet available on request. You can also obtain a copy from your TTK sales representative.

WARNING

The information given is based on our tests and practical experience. However, due to specific conditions and working methods we recommend preliminary tests for each case of use.



FEICA is the Association of the European Adhesive and Sealant Industry and is a multinational association representing the European Adhesive and Sealant Industry. All Feica standards for PU foam are available on:
<http://www.feica.eu/our-industry/pu-foam-ocf/ocf-test-methods.aspx>

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