

## **ONE-COMPONENT LOW-EXPANSION POLYURETHANE FOAM FOR QUICK INSTALLATION OF DOOR FRAMES**

### **FEATURES AND BENEFITS**

- DOOR EXPERT polyurethane foam is specially designed for professional installation of doors.
- It hardens with air humidity and expands very little after application. 1-2 minutes after application, it is no longer sticky to the touch.
- It adheres well to all construction materials, including wood, concrete, gas concrete, brick, metal, and aluminium.
- Precise foam dosage and fast hardening enables a faster completion of finishing works and economical consumption.
- 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 gun.

Advantages of gun polyurethane foam over foam with a mounting adapter:

- lower consumption due to more accurate dosing
- easier handling and work
- no leakage or dripping from the gun nozzle
- less cleaning
- quick can replacement
- faster completion of works



### **TESTS AND CERTIFICATES**

EN 13501 – 1  
GEV-EMICODE

E  
EC-1 PLUS [very low emission]

### **FIELD OF APPLICATION**

For fast installation of door frames, for adhesion and attachment of various construction materials such as: window frames, wooden stairs, window sills, etc.

### **USAGE INSTRUCTIONS**

Shake the can thoroughly before using it with the valve facing down and screw it onto the gun using a black adapter. The release of foam is initiated by pressing the trigger. Set the desired foam outflow with

the adjustable screw on the back of the gun. Always work with the can vertically and the valve pointing downwards for maximum efficiency. When changing the can, shake the new can thoroughly, remove the empty can, and immediately replace it with a new one, or the PU foam in the adapter may harden. In the event of a brief interruption in work, keep the can tight on the gun by tightening the screw on the back of the gun. If the work is interrupted for a longer time period, clean the fresh foam from the gun with the TKK PU FOAM CLEANER. The only way to remove the hardened foam from the gun nozzle and other surfaces is mechanically. The 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. 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	42–47 [freely foamed] [750 ml]
Application temperature:		min. +5 °C [surface], 20–25 °C [can]
Tack free time:	FEICA OCF TM 1014	1–2 min.
Cutting time:	FEICA OCF TM 1005	10–12 min.
Hardening time:		15 to 45 minutes, depending on temperature and humidity and moisture
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	0.04–0.05MPa
Tensile strength:	DIN 53455	0.16–0.18MPa
Elongation at break:	FEICA OCF TM 1018	20–30%
Thermal conductivity:	DIN 52612	0.036W/(m K) at 20°C
Flammability class:	EN 13501 – 1	E

## PACKAGING

750 ml aerosol can

other packing methods are available upon request

## STORAGE

15 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 TKK 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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