

## ONE-COMPONENT LOW-EXPANSION POLYURETHANE FOAM FOR QUICK AND EASY INSTALLATION OF WINDOWS AND DOORS, AND FILLING OF OPENINGS EVEN IN WINTER CONDITIONS

### FEATURES AND BENEFITS

- WINDOW & DOOR WINTER polyurethane foam is specially designed for installing windows and doors and filling openings even in winter temperatures as low as -10 °C
- The minimum can temperature may be as low as 0 °C.
- It hardens with air humidity and expands by 30–50% after application.
- 7–12 minutes after application, it is no longer sticky to the touch.
- It adheres well to all construction materials, including wood, concrete, foam concrete, brick, metal, and aluminium.
- Precise foam dosage and fast hardening enables a faster completion of finishing works and economical consumption.
- Once hardened, the 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 an applicator gun

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

- lower consumption due to more accurate dosing,
- easier to handle and work with the PU foam,
- no leakage or dripping from the gun nozzle,
- less cleaning,
- quick can replacement.



### TESTS AND CERTIFICATES

GEV-EMICODE

EC-1 PLUS [very low emission]

### FIELD OF APPLICATION

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

## INSTRUCTIONS FOR USE

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 solidify. 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. The can must be pressurized and at least half full to avoid foam solidification in the gun. If the work is interrupted for a longer time period, clean the fresh foam from the gun with the TTK 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. Before application, it is recommended to moisten the surfaces with water, but only at temperatures above 0 °C. If filling an opening larger than 5 cm, work in layers. Apply the second layer once the first layer has hardened. You can speed up the process of hardening by spraying the foam with water. The optimal can temperature during use is 15 – 25 °C, the lowest can be 0 °C. In case of lower can temperature, immerse the can in warm water at a maximum temperature of 40 °C for about 20 minutes. It operates in the air temperature range of -10 to +25 °C. When the foam is hardened, it is trimmed with a sharp knife. Then you can begin the finishing work, such as plastering, applying sealant, glueing, repainting, etc.

## TECHNICAL DATA

Volume:	FEICA OCF TM 1003	40-45 l [freely foamed] [750 ml]
Foam density:	FEICA OCF TM 1019	16-18 kg/m <sup>3</sup>
Application temperature:		min. -10 °C [surface], 0 °C [can]
Tack free time:	FEICA OCF TM 1014	7-12 min.
Cutting time:	FEICA OCF TM 1005	20-25 min.
Hardening time:		2 to 8 hours, depending on temperature and humidity
Temperature resistance:		from -40 °C to +90 °C
Dimensional stability:	FEICA OCF TM 1004	max. ± 5 %
Water absorption:	DIN 53428	max. 1 vol. %
Compressive strength:	FEICA OCF TM 1011	0.04 - 0.05 MPa
Tensile strength:	FEICA OCF TM 1018	0.12 - 0.14 MPa
Elongation at break:	FEICA OCF TM 1018	20-30%
Thermal conductivity:	DIN 52612	0.036 W/(m K) at 20 °C
Flammability class:	EN 13501 - 1	F

## PACKAGING

750 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. The safety data sheet is 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>



TKK d. o. o. · Srpenica 1, 5224 Srpenica, Slovenia  
+386 [0] 5 38 41 300 | [info@tkk-group.com](mailto:info@tkk-group.com) | [www.tkk-group.com](http://www.tkk-group.com)