

## FIRESTOP FOAM (gun grade)

### ONE-COMPONENT LOW-EXPANSION MODIFIED POLYURETHANE FOAM WITH LOW FLAME SPREAD CHARACTERISTICS FOR FIRE ZONES

#### FEATURES AND BENEFITS

- FIRESTOP FOAM is a polyurethane foam designed specifically for filling, insulating, and mounting between zones where higher flame resistance is required.
- Foam is modified and has low flame spread characteristics.
- Hardens with air humidity.
- Hardening time is 1.5 – 5 hours, 5 – 10 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, glass, and aluminium.
- After application, it expands to 30-50% 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 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

DIN 4102-1

EN 13501-1

EN 13501-2

BS 476, part 20

GEV-EMICODE

CERTIFIRE CERTIFICATE

B1

B-s1, d0

EI 240

EC-1 PLUS (very low emission)

#### FIELD OF APPLICATION

Filling, insulating, and mounting between zones where higher flame resistance is required (electrical installations, penetrations, fire doors, vaults).

#### USAGE INSTRUCTIONS

Shake the can thoroughly before using it with the valve facing down and screw it onto the gun. 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, otherwise the PU foam in the gun 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 TTK PU FOAM CLEANER. The only way to remove the hardened foam from the gun nozzle and other surfaces is 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. The application of PU foam with a gun is more precise and faster. Flammability: B1 [DIN 4102, part 1] Attestation No.: 150740 MPA HANNOVER; EI 240 [EN 13501-2 ] Attestation No.: KB 3.2/16-129-9 MFPA Leipzig; [BS 476, part 20] Attestation No.: WF 364023A/364023B Warringtonfire

## TECHNICAL DATA

Volume:	FEICA OCF TM 1003	42–47 l [freely foamed] [750 ml]
Foam density:	FEICA OCF TM 1019	18–22 kg/m <sup>3</sup>
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. %
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	15–20%
Thermal conductivity:	DIN 52612	0.036 W/[m K] at 20°C
Flammability class:	DIN 4102-1	B1
	EN 13501-1	B-s1, d0
	EN 13501-2	EI 240
	BS 476, part 20	

## PACKAGING

750 ml aerosol can  
other packing methods are available upon request

## STORAGE

12 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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