

TEKAPUR

UNIVERSAL FOAM (gun grade)

PROPERTIES

Tekapur Universal gun grade provides good sound and thermal insulation. It adheres well to most construction materials such as wood, concrete, porous concrete, brick, metal and aluminium, but not to polyethylene, silicone and PTFE.

Advantages of gun grade polyurethane foam compared to hand held foam:

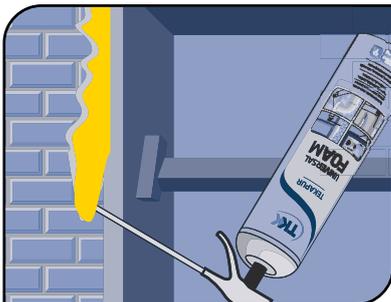
- very precise application contributes to less foam being used;
- easier handling and work;
- no leakage or dripping from the gun's nozzle;
- less cleaning required;
- swift replacement of cans.

USE

It is used in construction industry for sealing, filling, insulating, fixing and mounting (of window and door frames).

TECHNICAL DATA

Volume	FEICA OCF TM 1003	35–40l (free foamed) (750g)
Specific density	FEICA OCF TM 1019	16–18 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	25–30 min.
Hardening time		1,5–5 hours, depending on temperature and humidity from -40°C to +90°C
Temperature resistance		
Dimensional stability	FEICA OCF TM 1004	max. ±5%
Water absorption	DIN 53428	max. 1 vol.%
Tensile strength	FEICA OCF TM 1018	0,06–0,08 MPa
Elongation at break	FEICA OCF TM 1018	20–30%
Flammability class	EN 13501–1	F



Tekapur Universal Foam gun grade is a one-component polyurethane foam to be used with a gun. It is hardened by air humidity.



New formula



Super light foam



Thermal insulation

APPLICATION

Surfaces should be clean, free of dust, grease and other impurities. Dry and porous surfaces should be moistened with water. The optimal temperature of can at work is room temperature. At lower temperature put the can into warm water with max. temperature of 40°C for about 20 minutes. Before use shake can thoroughly with the valve upside down. Then screw the can onto the gun and press the trigger for about 2 seconds so that the gun is filled with foam. During foam application hold the gun in vertical position. Apply pressure on the trigger to allow the outflow of the foam. The output of the foam can be regulated with the adjustment screw on the back side of the gun. When replacing the can, shake the new can vigorously, unscrew the empty can and immediately replace it with a new one. The can replacement has to be fast to prevent the foam to harden in the adapter. Hardened foam residues in front of the nozzle can be removed only mechanically. At short work interruptions the can can be left screwed onto the gun, but screw on the back side of the gun must be tightened. The can must be under pressure and at least half full, otherwise the foam will harden in the gun. At longer work interruptions, clean the gun with the Tekapur cleaner. Please note that the foam would expand 30–50%. If you are filling a gap wider than 5cm, work in layers. Apply the second layer once the first one has hardened. You can speed up the process of hardening by spraying the foam with water. Once hardened, foam should be protected against UV light. Once the foam has hardened, cut it with a sharp knife and finish with plastering, sealing, covering, painting etc. If you do not use the entire can clean the valve with the TEKAPUR cleaner. Hardened foam can only be removed mechanically.

PACKAGING

- aerosol can of 750g
- other packagings are available by agreement

STORAGE

18 months (from +5°C to +25°C) or at lower temperatures for shorter periods of time (e.g. during transport).

Higher temperatures shorten storage life.

Store the cans in an upright position.

HEALTH, SAFETY HANDLING AND DISPOSAL INFORMATION

Additional information on safety, safe handling instructions and personal protective equipment as well as disposal information are available in a safety data sheet. Safety data sheet is available upon request. You can also ask your TTK distributor for a copy.

WARNING

Instructions contained in this document are based on our research and experience, however, due to specific conditions and working methods we recommend that you perform preliminary tests prior to any application of our products.



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>