

TEKAPUR

LOW EXPANSION (hand held)

PROPERTIES

Tekapur Low Expansion hand held has a very low expansion and adheres well to most construction materials such as wood, concrete, porous concrete, brick, metal and aluminium. It does not adhere to polyethylene, silicone and PTFE, though.

TESTS AND CERTIFICATES

GEV-EMICODE EC-1 PLUS (very low emission)

USE

Due to low expansion and good adhesion the foam is used for fixing and sealing various building materials such as wooden stairs and window sills etc. It is also used to fill narrow gaps. Precise foam application enables a faster completion of final works and economical consumption.

TECHNICAL DATA

Volume	FEICA OCF TM 1003	33–38l (free foamed) (750ml)
Specific density	FEICA OCF TM 1019	20–22 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		from -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	0,12–0,14 MPa
Elongation at break	FEICA OCF TM 1018	20–25%
Thermal conductivity	DIN 52612	0,039 W/(m K) at 20°C
Flammability class	EN 13501–1	F

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 min. Before use shake can thoroughly with the valve upside down. Remove the protection cap and screw on the nozzle with a tube. Turn the can with the valve upside down and apply pressure on the valve to activate the foam. If used for gluing apply the foam onto slightly wet surface in narrow lines and wait for about one minute for the foam to expand. Now you can put the element you want to glue onto the foam.



Tekapur Low Expansion hand held is a one-component polyurethane foam hardening by air humidity. Thanks to its special formulae, this foam has a very low expansion and is thus particularly suitable for gluing, fixing and sealing.



Replaces mechanical fixing



Hand held



Withstands heavy loads

Since the foam has a very low expansion rate it can also be used for sealing narrow gaps. Due to the already mentioned low expansion of the foam the gaps should be filled with precision.

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 750ml, 500ml
 - other packagings are available by agreement
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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 TKK 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>