

### ONE-COMPONENT LOW-EXPANDING POLYURETHANE ADHESIVE FOR BONDING OF INSULATION PANELS AND FILLING OF OPENINGS

#### FEATURES AND BENEFITS

- 2 in 1 INSULATION ADHESIVE is a polyurethane adhesive designed for bonding thermal-insulation panels and filling openings.
- The adhesive has a good adhesion to EPS and XPS styrofoam panels, MW insulation panels and slats, concrete, bricks, OSB panels, wood and bituminous insulation materials.
- To be applied using a mounting gun or mounting adapter.
- Hardens with air humidity.
- Precise adhesive dosage and fast hardening enables a faster completion of finishing works and economical consumption.
- A layer of polyurethane adhesive under the insulation panel provides additional thermal insulation.



#### TESTS AND CERTIFICATES

EN 13501-1 E  
GEV-EMICODE EC-1 PLUS [very low emission]

#### FIELD OF APPLICATION

Adhesion of thermal-insulation panels [polystyrene, stone wool, polyurethane] to building surfaces

#### USAGE INSTRUCTIONS

Apply the adhesive on the edges of the panel as well as on the surface in a W-shaped pattern. Attach the panel to the wall one minute after the adhesive is applied to the insulation panel. After attaching the panel to the wall, you have max. 15 min. to adjust its position, further works can begin 2 hours later when the adhesive is hardened. Additional anchorage of the insulation panels depends on the quality of the construction substrate. At the bottom of the building, on old plasters, concrete and non-load-bearing substrates, anchoring is always necessary. Before use shake the can thoroughly with the valve facing

down. When applying the adhesive with the tube: remove the protective cover and screw the adapter onto the valve. Turn the can making the valve face downwards and begin applying the foam by pressing the adapter. If the can is not used in full, clean the valve and adapter tube using the TTK PU FOAM CLEANER. In case of application of the adhesive using a gun: screw the can with the black adapter onto the gun. Set the desired adhesive 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. Before changing the can, shake the new can well, remove the old one and install the new one immediately. 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, clean the fresh adhesive from the gun using the TTK PU FOAM CLEANER. The hardened polyurethane adhesive can be removed mechanically. The surfaces to which the adhesive is applied must be clean and free of dust and grease. If plasters are loose or have poor adhesion, they must be removed. We recommend moistening the surfaces with water prior to application. The optimal can temperature during use is 20 – 25°C. One can suffices for the fixation of 8–12 m<sup>2</sup> of insulation.

## TECHNICAL DATA

Volume:	Hand held	38–45 linear meters [750 ml]
	Gun grade	60–70 linear meters [750 ml]
Adhesive density:	FEICA OCF TM 1019	16–20 kg/m <sup>3</sup>
Application temperature:		min. +5°C [surface], 20–25°C [can]
Tack free time:	FEICA OCF TM 1014	6 –12 min.
Cuting time:	FEICA OCF TM 1005	22–27 min.
Hardening time:		2–6 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	0.14–0.15 MPa
Elongation at break:	FEICA OCF TM 1018	20–30%
Thermal conductivity:	DIN 52612	0.039 W/[m K] at 20°C
Flammability class:	EN 13501-1	E

## 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. 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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