

## ROOF TILE WINTER ADHESIVE [gun grade]

### ONE-COMPONENT LOW-EXPANDING POLYURETHANE ADHESIVE FOR EASY AND RELIABLE FIXING OF ROOF TILES EVEN IN WINTER CONDITIONS



#### FEATURES AND BENEFITS

- ROOF TILE WINTER ADHESIVE is a polyurethane adhesive specially designed for the fixing of roof tiles even in temperatures as low as -10 °C
- It is a simpler, cheaper, and more reliable alternative to classic mortars and adhesive compounds.
- The adhesive adheres to the roof tiles and the substrate and expands minimally.
- It hardens with the help of air humidity.
- Hardening time is 1.5 – 8 hours, 5 – 10 minutes after application, it is no longer sticky to the touch.
- Resistant to ageing.
- It must not reach the visible parts of the roof due to lack of resistance to UV rays.
- To be applied using a gun

Advantages of using applicator 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

GEV-EMICODE

EC-1 PLUS [very low emission]

#### FIELD OF APPLICATION

The one-component low-expanding polyurethane adhesive is designed specifically for bonding and fixing roof tiles on a roof base.

#### 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 adhesive is initiated by pressing the trigger. 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. When changing the can, shake the new can thoroughly, remove the empty can, and immediately replace it with a new one, otherwise the adhesive 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 gun. If the work is interrupted for a longer time period, clean the fresh adhesive from the gun using the TTK PU FOAM CLEANER. The can must be pressurized and at least half

full to avoid foam solidification in the gun. The only way to remove the hardened adhesive from the gun nozzle and other surfaces is mechanically. The surfaces to which the adhesive 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. The optimal can temperature during use is 20 – 25 °C, but only at temperatures above 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. One can of 750 ml is sufficient for approx. 6 to 9 m<sup>2</sup> of roof.

## TECHNICAL DATA

Volume:		60–80 linear meters (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	5-10 min.
Cutting time:	FEICA OCF TM 1005	20-25 min.
Hardening time:		1.5 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 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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