

TEKAPUR BITUMEN ADHESIVE (gun grade)

PROPERTIES

Tekapur Bitumen Adhesive gun grade is suitable especially for gluing insulation plates to the basement walls protected with bitumen materials. Polyurethane adhesive has low post-expansions and good adhesion to Styrofoam, Styrodur and bitumen insulation materials.

Advantages of using Tekapur Bitumen Adhesive gun grade:

- easy application;
- very precise application contributes to less adhesive being used;
- no leakage or dripping from the gun's nozzle;
- faster progress of work;
- quick drying;
- resistance to ageing;
- a layer of polyurethane adhesive under an insulation plate provides additional thermal insulation.

TESTS AND CERTIFICATES

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

USE

Due to low post-expansion and good adhesion the adhesive is used for fixing and gluing of insulation materials to basement walls protected with bitumen materials.

TECHNICAL DATA

Volume		60–80 linear metres (750ml)
Specific density of the adhesive	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.
Opening time	FEICA OCF TM 1015	10–15 min.
Hardening time		1,5–2 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	0,07–0,08 MPa
Elongation at break	FEICA OCF TM 1018	20–30%
Flammability class	EN 13501–1	E



Tekapur Bitumen Adhesive gun grade is a low-expanding one-component polyurethane adhesive used for mounting insulating materials to bitumen surfaces with a help of a gun for PU foam. It is hardened by air humidity.



Replaces mechanical fixing



Low post-expansion

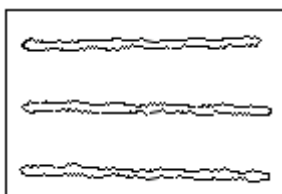


Fast hardening

APPLICATION

Apply the polyurethane adhesive onto an insulation plate in three horizontal lines with the same interval between them. Side lines should be applied 3–5cm from edge of the plate. After applying polyurethane adhesive onto the insulation plate, you should wait one minute for the adhesive to expand, before fixing the plate onto the underlying surface. Levelling of plates can be done in 10 to 15 minutes after fixation. Holes and rifts can also be filled with polyurethane adhesive. The plates should be adequately anchored, and covered with soil or a different drainage material at least 14 days after the application of the adhesive. The adhesive is meant only as an aid for mounting the plates. One 750ml can will enable you to mount approximately 8 to 12m² of insulation.

For best results we recommend you apply the polyurethane adhesive following these steps:



The surfaces should be clean and free of dust and grease. Do not moisten the surfaces 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 polyurethane adhesive. During foam application hold the gun in vertical position. Apply pressure on the trigger to allow the outflow of the polyurethane adhesive. The output of the adhesive 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 adhesive to harden in the adapter. Hardened polyurethane adhesive 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 adhesive will harden in the gun. At longer work interruptions, clean the gun with the Tekapur cleaner. If you do not use the entire can clean the valve with Tekapur Cleaner. Hardened adhesive can only be removed mechanically.

PACKAGING

- aerosol can of 750ml
- 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 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>