

BUILDING BLOCK ADHESIVE (gun grade)

ONE-COMPONENT LOW-EXPANSION POLYURETHANE ADHESIVE WITH HIGH FINAL BONDING STRENGTH FOR MASONRY OF INTERNAL PARTITION WALLS AND ADHESION OF VARIOUS BUILDING MATERIALS



FEATURES AND BENEFITS

- BUILDING BLOCK ADHESIVE is a polyurethane adhesive with good adhesion to bricks, concrete, gas concrete, stone, wood and other construction and insulation materials.
- Adhesive hardens with air humidity and humidity from the substrate.
- Hardening begins after 5 – 10 min. under conditions (20 °C, 60 % humidity), it completely hardens after 1,5 – 2 hours, depending on temperature and humidity.
- Tensile strength of hardened adhesive: 0.35 – 0.40 MPa.

Advantages of using BUILDING BLOCK ADHESIVE gun grade compared to cement mortar:

- easy to use
- very good adhesion to different building materials
- lower material consumption
- cheaper execution of works; savings in transport and storage costs
- fast hardening
- resistant to humidity and low temperatures
- enables fast progress at work
- water-resistant, due to its composition, the absorption of water does not exceed 1%

TESTS AND CERTIFICATES

EN 13501-1

SIST EN ISO 11925-2

GEV-EMICODE

E

Material reaction to fire (ZAG)

EC-1 PLUS (very low emission)

FIELD OF APPLICATION

One-component low-expansion polyurethane adhesive with high final bonding strength is intended for masonry of partition walls (as a substitute for mortar) and bonding of various construction materials, such as timber, iron. Not suitable for the construction of load-bearing walls. It has good adhesion to bricks, concrete, gas concrete, stone, wood and other construction and insulation materials. Adhesive hardens with air humidity and humidity from the substrate.

USAGE INSTRUCTIONS

Before use always test to verify the compatibility of materials. Protect the floor coverings with paper or plastic film. Surfaces must be cleaned of dust particles prior to use. To achieve better adhesion and faster hardening, it is recommended to slightly moisten the base before applying the adhesive. Shake

the can thoroughly before using it with the valve facing down and screw it onto the gun using a black adapter. 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 building partition walls, apply one or two lines of adhesive [3 – 4 cm thick] to the base at a distance of 5 – 10 cm [depending on the width of the brick or board]. Wait for 3 to 5 minutes, but not more than 5 minutes, to prevent the adhesive from hardening. The next step is the placement of bricks. We recommend the gradual application of adhesive along the length of 2 – 3 m. After placing the bricks on the adhesive, they must not be repositioned. When bonding boards, apply the adhesive at least 3 cm from the edge of the board or material to be bonded, and add a line in the middle. 3 – 5 minutes after applying the adhesive to the panel, attach it to the substrate. In case of vertical bonding of heavier materials, additional anchorage is necessary. In the event of a brief interruption in work, keep the can tight on the gun by tightening the screw on the gun. In case of longer interruptions in work and after finishing the work, clean the fresh adhesive from the gun using the TTK PU FOAM CLEANER to prevent the adhesive from hardening in the gun. If the can is not used in full, clean the valve using the CLEANER. Hardened adhesive can only be removed mechanically. With one 800 ml can of polyurethane adhesive you can apply from 60 to 80 linear meters [the average width of the adhesive foam application is from 2 to 3 cm]. Store cans in an upright position!

TECHNICAL DATA

Amount:		60–80 linear meters [800 ml]
Usage temperature:		5°C to +35°C [surface], 5°C to +25°C [can]
Tack free time:	FEICA OCF TM 1014	5–10 min.
Hardening time:		1.5–2 hours, depending on temperature and humidity
Temperature resistance:		–40°C to +90°C
Water absorption:	DIN 53428	max. 1 vol.%
Tensile strength:	ISO 527-1	0.35–0.40 MPa
Shear strength:	DIN 12090	0.30–0.35 MPa
Adhesion strength to concrete:		0.32–0.34 MPa
Adhesion strength to brick:		0.30–0.32 MPa
Thermal conductivity:	DIN 52612	0.036 W/ [m K] at 20°C
Flammability class:	EN 13501	E

PACKAGING

800 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>

TKK TKK d. o. o. · Srpenica 1, 5224 Srpenica, Slovenia
+386 [0] 5 38 41 300 | info@tkk-group.com | www.tkk-group.com