

CONCRETE PIPE SEALING (hand held)



ONE-COMPONENT LOW-EXPANDING POLYURETHANE ADHESIVE FOR BONDING AND JOINING CONCRETE PIPES, SHAFTS AND DRAINAGE CHANNELS

FEATURES AND BENEFITS

- CONCRETE PIPE SEALING polyurethane adhesive has good adhesion to bricks, concrete, gas concrete, stone, wood and other construction materials.
- The adhesive ensures an ideal joint. It is resistant to petrol, oil, water, sea water, dilute acids and alkali and all bacteria found in the soil.
- Watertight up to a pressure of 0.5 bar.
- Hardens with air humidity.
- Compared to cement mortar, it simplifies and shortens the working process.

TESTS AND CERTIFICATES

DIN 4034-2
GEV-EMICODE

remains watertight up to a pressure of 0.5 bar
EC-1 PLUS (very low emission)

FIELD OF APPLICATION

One-component low-expanding polyurethane adhesive is used for bonding and joining of plumbing concrete pipes, drainage shafts and drainage channels, bonding, joining and filling of holes in underground parts, sealing and joining concrete elements and shafts for running water, sealing septic tanks, filling of openings around pipes. For the installation of a concrete pipe with a diameter of 1 meter, around 200 ml of foam is needed, which means that a 750 ml can serves to connect up to four such pipes.

USAGE INSTRUCTIONS

Shake the can thoroughly before using it with the valve facing down. Then remove the protective cover, tighten the nozzle with the tube, turn the can upside down and start applying the adhesive by pressing the valve. Always work with the can vertically and the valve pointing downwards for maximum efficiency. In case of interruptions in work clean the fresh adhesive from the tube and valve using the TTK PU FOAM CLEANER. The hardened adhesive can be removed mechanically. The surfaces to which the adhesive is applied must be clean and free of dust, grease and soil. We recommend moistening the surfaces with water prior to application. The can temperature during use should be between 20 and 25°C. For grooved pipe joining, apply adhesive into the groove [approximately 3 cm thick foam layer]. In case of groove and ridge bonding: apply about 2 cm thick layer of adhesive to both sides. Both grooves should be joined within 5 to 6 minutes before a skin is formed on the foam surface. It is not recommended to move or carry the joined elements for 24 hours. Hardens with air humidity. Hardening time is 5 hours, 5 - 10 minutes after application, it is no longer sticky to the touch. You can speed up the process of hardening by spraying the adhesive with water. When applying, note that the adhesive expands to 2-3 times its volume. Store cans in an upright position!

TECHNICAL DATA

Volume:	FEICA OCF TM 1003	33-38 l [freely foamed] [750 ml]
Foam density:	FEICA OCF TM 1019	22-25 kg/m ³
Application temperature:		min. +5 °C [surface], 20-25 °C [can]
Tack free time:	FEICA OCF TM 1014	7-10 min.
Cutting time:	FEICA OCF TM 1005	20-25 min.
Hardening time:		1.5-5 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	0.12-0.14 MPa
Elongation at break:	FEICA OCF TM 1018	20-25%
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. 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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