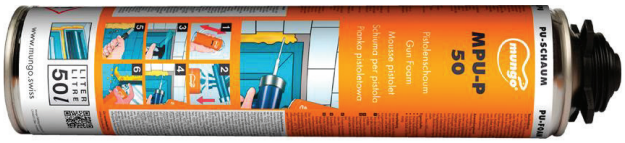
Technical Data Sheet MPU-P50

Dispenser Foam, up to 50 liters yield is a one-component polyurethane foam to be used with a gun and it is hardened by air humidity.



LITER LITRE 50l

GEV-EMICODE EC 1 PLUS very low emission

1 DESCRIPTION

Mungo MPU-P50 is designed to be used in construction industry such as sealing, filling, insulating, fixing and mounting (of window and door frames). It enables quick filling and sealing providing protection against cold, draught and noise. It can also be used for thermal insulation of plumbing installations and heating systems, fixing of electrical installations, air conditioning systems etc.

Mungo MPU-P 50 gun grade provides good sound and thermal insulation. It adheres well to most construction materials such as wood, concrete, porous concrete, brick, metal and aluminium, but not to polyethylene, silicone and PTFE.

2 SPECIFICATIONS OF INTENDED USE

Futures:

- GEV-EMICODE EC1Plus - very low emission
- Very precise application contributes to less foam being used (gun polyurethane foam)
- Easier handling and work
- No leakage or dripping from the gun's nozzle
- Less cleaning required
- Swift replacement of cans
- Rapid curing, reduces the processing time
- High yield up to 50 liters

3 STORAGE AND SHELF LIFE

The foam has a shelf life of 18 months from the date of manufacture (the expiry date is shown on the can), when stored at a temperature between +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!

4 TECHNICAL DATA

TECHNICAL DATA MPU-P50

Volume:	FEICA OCF TM 1003	42-50 liters (750 ml can)
Specific density:	FEICA OCF TM 1019	16-18 kg/m³
Application temperature:		min. +5°C (surface), 20-25°C (can)
Tack free time:	FEICA OCF TM 1014	5-10 min.
Cutting time:	FEICA OCF TM 1005	20-25 min.
Hardening time:		1.5-5 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	0.12-0.14 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

5 APLICATION

Surfaces should be clean, free of dust, grease and other impurities. Dry and porous surfaces should be moistened with water. The optimal temperature of can at work is room temperature (20-25°C). At lower temperature put the can into warm water (max. T=40°C) for about 20 minutes. Before use shake can thoroughly with the valve upside down. Than screw the can onto the gun and press the trigger for about 2 seconds so that the gun is filled with foam. During foam application hold the pistol with the can in vertical position. Apply pressure on the trigger to allow the outflow of the foam. The output of the foam 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 foam to harden in the adapter. Hardened foam 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 foam will harden in the gun. At longer work interruptions, clean the gun with the Mungo MRM-PU cleaner.

Please note that the foam would expand 30-50%. If you are filling a gap wider than 5 cm, work in layers. Apply the second layer once the first one has hardened. You can speed up the process of hardening by spraying the foam with water. Once hardened, foam should be protected against UV light. Once the foam has hardened, cut it with a sharp knife and finish with plastering, sealing, covering, painting etc. If you do not use the entire can, clean the valve with the Mungo MRM-PU cleaner or acetone. Hardened foam can only be removed mechanically.

6 TYPICAL APPLICATIONS

- backfilling, filling and sealing of cavities, air spaces and joints
- sealing of concrete shutter boxes
- fixing of window and door frames
- sealing of pipe crossings in plumbing, cooling and air conditioning, sealing and insulation of pipes penetrating walls
- sealing gaps between prefabricated elements
- sealing around manhole covers

7 SAFETY PRECAUTIONS

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 MPU-P50 can be found on *www.mungo.swiss*.

8 ATTENTION

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 the product.