Technical Data Sheet MPU-P50/B1

MPU-P50/B1 Fire Rated Dispenser Foam, up to 50 liters yield.



1 DESCRIPTION

Mungo MPU-P 50/B1 is designed for a wide range of building applications such as mounting, sealing, filling and insulating, especially public buildings, hospitals, industrial buildings where greater resistance to burning is required. The product meets the standards of B1 fire rating according to DIN 4102 Part 1 and fire resistance up to 240 minutes according to EN 13501-2. The foam has excellent sound and thermal insulation properties. Application with a Mungo gun guarantees precision, speed and increases foam efficiency.

The foam has good adhesion to most popular building materials such as wood, concrete, brick, metal and aluminium but not to polyethylene, silicone and PTFE.

2 SPECIFICATIONS OF INTENDED USE

Futures:

- -Class B1 according to DIN 4102-1
- -Fire resistance up to 240 minutes; EI240 according to EN 13501-2
- -Flame resistant B1 (DIN 4102)
- -Emicode EC1^{Plus} very low emission
- -Special formula for high fire resistance
- -Application in environments where high fire resistance is required,
- such as public buildings, hospitals, industrial buildings, etc.
- -Rapid curing, reduces the processing time
- -High yield up to 50 liters

3 STORAGE AND SHELF LIFE

The foam has a shelf life of 12 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!

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4 TECHNICAL DATA

TECHNICAL DATA

Volume:	FEICA OCF TM 1003	42-47 liters (750 ml can)
Specific density:	FEICA OCF TM 1019	18-22 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	15-20%
Thermal conductivity:	DIN 52612	0.036 W/(m K) at 20°C
Flammability class:	DIN 4102-1	B1
	EN 13501-2	EI 240
	BS 476, part 20	

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 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.

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6 TYPICAL APPLICATIONS

- electrical installations
- fixing of fireproof door frames
- filling and sealing of cavities, air spaces and joints
- sealing of pipe crossings in plumbing, cooling and air conditioning, sealing and insulation of pipes penetrating walls

7 SAFETY PRECAUTIONS

Contains isocyanates. May produce an allergic reaction.

Precautionary statements:

Keep out of reach of children. Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe vapors/spray. Wear protective gloves/protective clothing/eye protection. In case of inadequate ventilation wear respiratory protection (a protective mask with an appropriate gas filter - i.e. type A1 according to standard EN 14387). IF ON SKIN: Wash with plenty of water/soap. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of container to in accordance with local/regional/national/international regulation.

For further information please see Safety Data Sheet MPU-P50/B1 which 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.

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