TP PU FOAM-B3

Product Description

TP PU Foam-B3 hand held is one-component polyurethane foam hardening by air humidity.
TP PU Foam-B3 hand held provides good sound and thermal insulation. It adheres well to most construction materials such as wood, concrete, porous concrete, brick, metal and aluminum, but not to polyethylene, silicone and PTFE.
TP PU Foam-B3 is antibacterial.

Item Number	Description	Size*
TP 1401	TP PU Foam-B3	300 ml aerosol can
TP 1402	TP PU Foam-B3	750 ml aerosol can

other packaging are available by agreement

TP PU Foam -B3
300ml

TP PU Foam -B3
750ml

Tests and Certificates

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

Usage Area

It is used in construction industry for 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.

Characteristic

Volume	FEICA OCF TM 1003	33-38l (free foamed) (750ml)
Specific density	FEICA OCF TM 1019	20-25kg/m^3
Application temperature		min. +5°C (surface), 20-25°C (can)
Tack free time	FEICA OCF TM 1014	5-10min.
Cutting time	FEICA OCF TM 1005	25-30min.
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	maximum ±5%
Water absorption	DIN 53428	maximum 1 vol. %
Compression strength	FEICA OCF TM 1011	0.04-0.05MPa
Tensile strength	FEICA OCF TM 1018	0.12-0.14MPa
Elongation at break	FEICA OCF TM 1018	20-25%
Thermal conductivity	DIN 52612	0.039W/(m K) at 20°C
Flammability class	EN 13501 - 1	F

Application Details

- 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. At lower temperature put the can into warm water with maximum temperature of 40°C for about 20 minutes.
- Before use shake can thoroughly with the valve upside down. Remove the protection cap and screw on the nozzle with a tube.
- Turn the can with the valve upside down and apply pressure on the valve to activate the foam.
- You only have to fill the gap partially as the foam expands from 2 to 3 times. If you are filling a gap wider than 5cm, 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 a cleaner or acetone. Hardened foam can only be removed mechanically.

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.

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.

TP PU FOAM-B1 FIRE RESISTANCE

Product Description

TP PU Foam-B1 Fire Resistance hand held is a one-component polyurethane foam providing good sound and thermal insulation. It adheres well to most construction materials such as wood, concrete, porous concrete, brick, metal and aluminum, but not to polyethylene, silicone and PTFE. TP PU Foam-B1 Fire Resistance is antibacterial.

Item Number	Description	Size*
TP 1403	TP PU Foam-B1 Fire Resistance	750 ml aerosol can

**other packaging are available by agreement*

Tests and Certificates

- DIN 4102-1 — B1
- EN 13501-2 — EI 240
- BS 476, part 20
- GEV-EMICODE — EC-1 PLUS (very low emission)
- CERTIFIRE CERTIFICATE

Usage Area

It is used in construction industry for sealing, filling, insulating, mounting and installing (electrical installations, wall penetrations, fire door, vaults etc.), especially when greater resistance to burning is required.

Characteristic

Volume	FEICA OCF TM 1003	33-38l (free foamed) (750ml)
Specific density	FEICA OCF TM 1019	22-26kg/m^3
Application temperature		min. +5°C (surface), 20-25°C (can)
Tack free time	FEICA OCF TM 1014	5-10min.
Cutting time	FEICA OCF TM 1005	20-25min.
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	maximum ±5%
Water absorption	DIN 53428	maximum 1 vol. %
Compression strength	FEICA OCF TM 1011	0.04-0.05MPa
Tensile strength	FEICA OCF TM 1018	0.12-0.14MPa
Elongation at break	FEICA OCF TM 1018	15-20%
Thermal conductivity	DIN 52612	0.039W/(m K) at 20°C
Flammability class	DIN 4102-1 EN 13501-2 BS 476, part 20	B1 EI 240

Application Details

- 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. At lower temperature put the can into warm water with maximum temperature of 40°C for about 20 minutes.
- Before use shake can thoroughly with the valve upside down. Remove the protection cap and screw on the nozzle with a tube.
- Turn the can with the valve upside down and apply pressure on the valve to activate the foam.
- You only have to fill the gap partially as the foam expands from 2 to 3 times. If you are filling a gap wider than 5cm, 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 a cleaner or acetone. Hardened foam can only be removed mechanically.

Storage

12 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.

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.