PU-FP



DESCRIPTION OF THE PRODUCT

- Firestop polyurethane foam, gun application

CHARACTERISTICS

- Easy to handle.
- For indoor and outdoor use.
- Controlled expansion.
- Professional use, high quality polyurethane foam.
- High performance, strong adherence and long term sealing.
- Good heat and sound isolation.
- Do not contain any substances classified as CMR (carcinogenic, mutagenic, or reprotoxic).

APPLICATION

- It is used in building industry for sealing, fixing all kind of frames, doors or windows, filling, insulation, fixing and mounting, especially in cases where greater resistance to fire is needed.

BASE MATERIAL



1. RANGE

ITEM	CODE	SIZE	PHOTO	APPLICATION	FIRE RESISTANCE	DESCRIPTION	
1	**PUFP750**	750 ml.				Firestop polyurethane foam, gun application	12

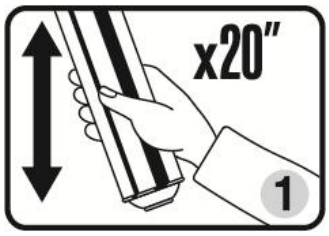
2. ACCESSORIES

ITEM	CODE	PHOTO	APPLICATION	MATERIAL
1	**PUPI01**			Application gun for polyurethane foams.
2	**PUPI02**			Application gun for polyurethane foams.

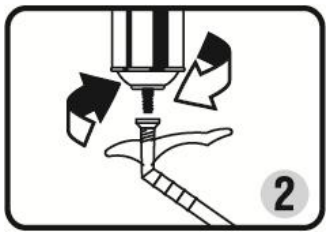
3. TECHNICAL FEATURES

CHARACTERISTICS	Standard	Unit	Value
Volume	FEICA OCF TM 1003	Liter [l]	42 – 47 l (free foamed) (750ml)
Specific gravity	FEICA OCF TM 1019	kg/m^3	22 - 26
Application temperature	[--]	°C	min. +5 (surface), 20 – 25°C (can)
Setting time	FEICA OCF TM 1014	Minutes (°C)	5 – 10 min
Cutting time	FEICA OCF TM 1005	Minutes (°C)	20 – 25 min
Hardening time	[--]	hours	1,5 – 5 hours, (it depends on the temperature and humidity)
Temperature resistance	[--]	°C	From -40 to +90
Dimensional stability	FEICA OCF TM 1004	%	max. ±5
Water absorption	DIN 53428	vol. %	max. 1
Compression strength	FEICA OCF TM 1011	MPa	0,04 - 0,05
Tensile strength	FEICA OCF TM 1018	MPa	0,12 – 0,14
Elongation at break	FEICA OCF TM 1018	%	15 – 20
Sound insulation	ISO 717-1	dB	58
Thermal conductivity	DIN 52612	W/ (m K)	0,036 at 20 °C
Flammability class	DIN 4102 – 1 EN 13501 – 2 BS 476-20	[--]	B1 EI240
Storage temperature	[--]	°C	From +5 to +25
Storage	[--]	Months	12

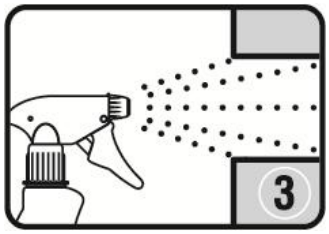
4. APPLICATION



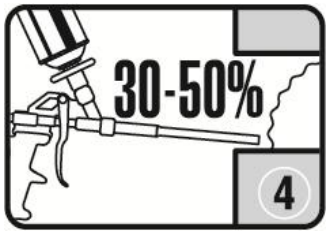
1. Surfaces should be clean, free of dust, grease and other impurities. Dry and porous surfaces should be moistened with water. The optimal temperature of can at work is 20–25°C. At lower temperature put the can into warm water (max. T=40°C) for about 20 minutes. Before use shake can thoroughly (about 20 times) with the valve upside down and screw it onto the gun.



2. Press the trigger and let the foam flow through (ca. 2 seconds). This fills the foam into the extension tube. The pistol is now ready for use. During foam application hold the pistol with the can in vertical position. The output of the foam can be regulated with the trigger and controlled with the adjustment screw on the back side of the gun.



3. You can speed up the process of hardening by spraying the foam with water. When replacing the can, shake the new can vigorously, unscrew the empty can and immediately replace it with new foam can. The can replacement has to be fast to prevent that PU-foam can harden in the adapter. Hardened PU-residues in front of the nozzle can be removed only mechanically.



4. It should be considered 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. Once the foam has hardened, cut it with a sharp knife and finish with plastering, covering, painting, etc.

5. If you do not use the entire can, clean the valve with the PU-CL or acetone. Hardened foam can be removed only mechanically. Cured foam must be protected against UV.