

## Section 1. PRODUCT DESCRIPTION

### FIRE-RETARDANT ONE-COMPONENT FIXING FOAM FIRE-FOAM – PMPF-750

Gun fixing foam PMPF-750 is a professional fire-retardant PU foam with reaction to fire performance B-s2, d0, for the most demanding users. It is used for sealing gaps and vertical linear joints between elements of fire-resistant partition walls. Cured by moisture, the foam features good thermal and sound insulation, and excellent adhesion. The foam is characterised by good adhesion to most building materials and surfaces, except Teflon, PE and silicone. When cured, it is not resistant to UV radiation, and thus must be covered with products resistant to weather conditions.

#### Use:

- sealing linear joints between elements of fire-resistant partition walls
- mounting and technical insulation of steel pipes and steel building elements
- technical insulation of construction elements made of solid construction materials
- used in places where high reaction-to-fire performance is required

#### Advantages:

- reaction to fire classification B-s2, d0
- good thermal and sound insulation
- excellent foam texture
- good adhesion
- high yield
- short curing time

Fixing foam PMPF-750 holds National Technical Approval:  
ITB-KOT-2020/1302 Rev. 1



## Section 2. METHOD OF USE

1. Original products delivered by the manufacturer can be used only
2. Works with PU foams should be carried out with temperature and humidity within values declared by the manufacturer
3. Store foam can for 24h in room temperature or other specified in manufacturer's instructions
4. At low temperatures foam can should be heated up before operation in a warm room or in water. Temperature of room or water should not exceed +30°C
5. Surface on which foam is applied should be cleaned, free from dust, grease or other contaminations and well moistened with water. Moistened substrate ensures faster curing and has significant influence on foam texture
6. Apply the foam using an applicator as gun which regulates the amount of foam
7. Hold the can in an upright position with the valve up and twist the can on gun socket until you feel slight resistance
8. Make sure that the gun is not pointed at any person when the can is twisted
9. Do not twist the can on the gun while holding it with the valve down
10. Once the gun is fitted shake the foam can vigorously at least 20 times
11. Gaps should not be filled in a single foam application cycle
12. After application any foam which is not cured should be removed from tools and surfaces using foam and gun cleaner CZP-500
13. Cured polyurethane foam should be protected from UV radiation by covering it with products resistant to weather conditions. When unprotected the foam may lose its insulation properties

## PRODUCT DATA SHEET – PMPF-750

### Section 3. TECHNICAL DATA

TECHNICAL PARAMETERS		
Parameter	Unit	Value
Capacity	[ml]	750
Quantity per box	-	12
Temperature of application	[°C]	+5 to +30
Temperature of can during application	[°C]	+10 to +30
Increase of height of foam in gap	[%]	45 ± 10
Compressive stress with 10% deformation	[kPa]	≥ 40
Tensile stress perpendicularly to end surfaces	[kPa]	≥ 100
Shear strength	[kPa]	≥ 50
Adhesion of foam applied at +5°C to substrate made of: - concrete - wood - steel and PVC	[kPa]	≥ 75 ≥ 100 ≥ 130
Adhesion of foam applied at +30°C to substrate made of: - concrete - wood - steel and PVC	[kPa]	≥ 75 ≥ 50 ≥ 100
Absorbability after 24 h in water with partial immersion	[kg/m <sup>2</sup> ]	≤ 1
Dimensional stability after 48 h at +40°C and 95% RH: - length- and width-wise - depth-wise (foam expansion direction)	[%]	± 2 ± 3
Durability and usability for environment defined by: - change of external appearance - change of density - change of weight	[%]	- change of colour to lighter, without any change of surface texture ≤ 3 ≤ 3
Reaction to fire classification	-	B-s2, d0
Fire resistance of cured foam	-	B1
Skin formation time	[min]	6 to 10
Cutting time	[min]	25 ± 10%
Complete curing in gap (at +23 °C)	[h]	< 8
Complete curing in gap (at +5 °C)	[h]	-
Curing pressure	[kPa]	< 3
Total bulk density	[kg/m <sup>3</sup> ]	22 ± 15%
Reduced capacity	[%]	-
Flashpoint of cured foam	[°C]	-
Heat transfer coefficient	[W/(mK)]	0,03
Water vapour permeability	[mg/(mhPa)]	< 0,06

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Sound insulation index	[dB]	60
Thermal resistance after curing	[°C]	-50 to +90
Colour	-	light pink

\*The given values were obtained at +23°C and 50% RH

FIRE CLASSIFICATION ACCORDING TO PN-EN 13501-2:2016		
Class	Joint width W [mm]	Wall thickness G [cm]
EI 60 / E 90	≤ 10	≥ 10
EI 45 / E 90	11 to 20	≥ 10
EI 30 / E 90	21 to 40	≥ 10
EI 240	≤ 10	≥ 20
EI 180 / E 240	11 to 20	≥ 20
EI 120 / E 240	21 to 30	≥ 20
EI 90 / E 180	31 to 40	≥ 20
EI 90 / E 120	41 to 60	≥ 20

E – integrity (in minutes); I – insulation (in minutes)

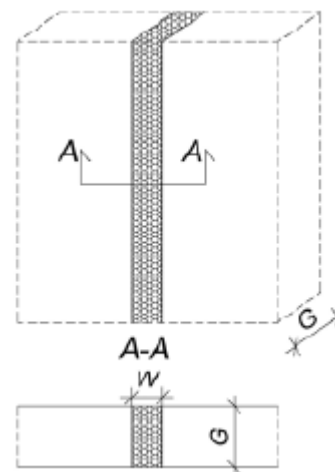


Fig. 1. Sealing of vertical linear joint in wall  
(W – joint width, G – wall thickness)

### Section 4. STORAGE

Store and transport foam cans only in an upright position. Store in a cool and dry place, at temperature min. +5°C to +30°C. Do not store at a temperature above +50°C, near sources of heat or in places exposed to direct sunlight. Guaranteed time of storage in a tightly closed package is 12 months from the date of manufacture.

### Section 5. SAFETY PRECAUTIONS

Do not smoke at work. The product may cause sensitisation when in contact with the skin, thus provide adequate ventilation during work, wear protective glasses and gloves. Keep out of the reach of children. Cured foam poses no risk to human health. Detailed safety information can be found in MSDS.

### Section 6. REMARKS

1. All previous versions of this Product Data Sheet shall cease to be valid
2. Data given in this Product Data Sheet is in accordance with current knowledge and published in good faith. KLIMAS Sp. z o.o. is not responsible for correctness and quality of the fixing if recommendations regarding method of use and installation are not followed.