

PRODUCT DATA SHEET – PMPPLE-750

Section 1. PRODUCT DESCRIPTION

GUN FOAM PROFESSIONAL LOW EXPANSION – PMPPLE-750

Gun fixing foam PMPPLE-750 is a one-component fixing and sealing PU foam which is used for fixing works and any kind of sealing. The foam has a low expansion formula, ensures high thermal and sound insulation, good adhesion to most building elements and surfaces (except Teflon, PE and silicone) and short curing time. Not resistant to UV radiation. Cured by moisture. Exerts more than twice less the pressure on joints compared to standard foams. HFC- and SCCP free.

Use:

- sealing in the process of assembling all types of window and door joinery
- mounting thin-profile PVC frames
- soundproofing partition walls
- thermal and sound insulation of attics, floors
- filling in perforations and holes
- filling in voids and cracks
- mounting window sills and stairs
- mounting panels

Advantages:

- very low expansion rate
- high yield
- excellent foam texture
- very good adhesion
- short curing time
- high parameters of thermal and sound protection

Fixing foam PMPPLE-750 holds National Technical Approval:
ITB-KOT-2019/1159 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. Deep 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

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Section 3. TECHNICAL DATA

TECHNICAL PARAMETERS		
Parameter	Unit	Value
Capacity	[ml]	750
Quantity per box	-	12
Temperature of application	[°C]	-10 to +30
Temperature of can during application	[°C]	+5 to +25
Increase of height of foam in gap	[%]	68 +/-10%
Compressive stress with 10% deformation	[kPa]	≥ 25
Tensile stress perpendicularly to end surfaces	[kPa]	≥ 90
Shear strength	[kPa]	≥ 55
Adhesion of foam applied at -10°C to substrate made of: - concrete - wood - steel	[kPa]	≥ 70 ≥ 80 ≥ 80
Adhesion of foam applied at +30°C to substrate made of: - concrete - wood - steel	[kPa]	≥ 70 ≥ 80 ≥ 80
Absorbability after 24 h in water with partial immersion	[kg/m ²]	≤ 0,5
Dimensional stability after 48 h at +40°C and 95% RH: - length- and width-wise - depth-wise (foam expansion direction)	[%]	± 5 ± 9
Skin formation time	[min]	6 to 10
Cutting time	[min]	29 ± 15%
Complete curing in gap (+23°C)	[h]	up to 8
Complete curing in gap (+5°C)	[h]	up to 24
Curing pressure	[kPa]	< 2,5
Total bulk density	[kg/m ³]	19 ± 15%
Fire resistance of cured foam	-	B3
Reduced capacity	[%]	-
Flashpoint of cured foam	[°C]	-
Heat transfer coefficient	[W/(mK)]	0,033
Water vapour permeability	[mg/(mhPa)]	< 0,06
Sound insulation index	[dB]	60
Thermal resistance after curing	[°C]	-50 to +90
Colour	-	light-yellow

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

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 18 months from the date of manufacture.

Section 5. SAFETY PRECAUTIONS

Flammable. Protect against overheating and keep away from sources of ignition. Avoid direct sunlight. 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.