

AEROSOL – SERVICE a.s.

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GUN GRADE POLYURETHANE FOAM B3

Description

Polyurethane Foam is installation and insulation polyurethane foam expanded by foaming and hardening of the fluid reaction by the effect of aerial moisture.

Application

- mounting and sealing of wooden, plastic and metallic window and external door frames, metallic and wooden door-frame and other structural parts
- insulation of hot water plumbing, hot water boilers, refrigeration equipment, bath tubs, shower trays
- sealing of gaps, cracks and cavities which cannot be filled with other sealing materials, sealing of plumbing, heating and gas piping and electric wiring
- grouting timbered buildings

Application procedure

- 1 Remove dust, grease and other contamination from the surface. Before the foam application the surface may be wet, but free from frost or ice cover.

NOTICE: PU foam is non-stick to surfaces: PE, PP, PTFE and silicone.

- 2 Recommended application temperature is between +15°C to +20°C. The difference between the temperatures of the can and the air should not be bigger than 5°C. Do not exceed the maximum allowable temperature for application from +5°C to +35°C.
- 3 To moisten the cavity to be filled with water from a spray bottle just before application. Shake the bottle content intensively for at least for 1 minute. Screw the bottle on the application gun. Bottle working position is the valve downwards. The amount of ejected foam is controlled by squeezing of the applicator handle. If the cavity wider than 5cm we recommended filling it in layers with maximal width of 2 cm. If you apply the foam in layers repeat moistening after each layer. While curing the foam increase its volume. For that reason fill the cavity up to 2/3 only. Volume and quality of foam depends on relative air humidity. If the relative air humidity is below 35 % intensive humidification is necessary.
- 4 Cured foam you can cut by a knife. The surface of cured PU foam must be protected from UV radiation.
- 5 Fresh foam can be removed by PU CLEANER, cured foam mechanically only. Immediately after finishing work ie. after removing the bottles from the gun, the gun must be cleaned by PU cleaner.

Specifications

Form	foaming liquid
Colour	light cream, blue, green, grey
Odour	of hydrocarbons
Maximum application temperatures range	+5 °C to +35 °C
Optimum temperature for application	+15 °C to +20 °C
Tack free time (TM1014-2013) *	12 minutes
Cutting time (strip of 2 cm diameter) (TM1005-2013) *	max. 25 minutes
Final curing time *	12 hours
Density of freely expanded foam (PN 03) *	12 – 17 kg/m ³
Density of foam in gap (PN05) *	16 – 20 kg/m ³
Foam yield of 750 ml container (TM1007-2013) *	42 – 47 litres
Dimensional stability (TM1004-2013) *	max. ±5%
Fire class (DIN 4102) / (EN 13501-1)	B3 / F

Note: TM – test method of FEICA association; PN – company standard
DIN – German standard; EN – European standard

* Temperature and relative humidity of air during the test: +20°C, 60%

Packaging

The product is available in 750ml, 600ml and 500ml containers. Packing in cartons of 12 pcs.

Palette contains 624/672/780/840/960/1008 containers.

Storage

Store in a dry and well ventilated place at a temperature between +5°C to 25°C. Guaranteed shelf life of the product is 18 months from the date of production.

Safety and protection of health

Content: Diphenylmethanediisocyanate, alkanes, C14-17, chloro

H222	Extremely flammable aerosol.	H335	May cause respiratory irritation.
H229	Pressurised container: May burst if heated.	H351	Suspected of causing cancer
H315	Causes skin irritation.	H362	May cause harm to breast-fed children.
H317	May cause an allergic skin reaction.	H373	May cause damage to organs through prolonged or repeated exposure
H319	Causes serious eye irritation.	H400	Very toxic to aquatic life.
H332	Harmful if inhaled.	H410	Very toxic to aquatic life with long lasting effects.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	H411	Toxic to aquatic life with long lasting effects.