

TECHNICAL DATASHEET

PENOSIL Standard Gunfoam

PENOSIL Standard Gunfoam is an air humidity curing prepolymerized mixture in an aerosol can. Cured foam is a good temperature and sound insulator, and has strong adhesive properties. Adheres well to most building materials, with the exception of teflon, polyethylene and silicon surfaces. Cured foam is sensitive to UV-light and direct sunlight.

Field of application

Foam is used for installation of doors and windows, insulation and fixation of tubes, filling of holes and gaps, fixation of wall panels and roof stones, and for thermal insulation.

Storage conditions

Can must be stored and transported in vertical position. Store in a cool and dry place. Store at temperatures $+5\text{ }^{\circ}\text{C} \div +30\text{ }^{\circ}\text{C}$.

Aerosol can must not be stored at temperatures over $50\text{ }^{\circ}\text{C}$ and in direct sun.

Application conditions

Air temperature during application $+5\text{ }^{\circ}\text{C} - +30\text{ }^{\circ}\text{C}$, best results at $+20\text{ }^{\circ}\text{C}$

Can temperature during application $+10\text{ }^{\circ}\text{C} - +25\text{ }^{\circ}\text{C}$, best results at $+20\text{ }^{\circ}\text{C}$

Surfaces must be clean from dust, loose particles and oil before foam is applied.

Soft foam can be removed with acetone, cured foam only mechanically.

Cured foam can be painted.

Safety regulations

Can contains diphenylmethane 4,4-diisocyanate. Dangerous when inhaled. Irritates eyes, skin and respiratory organs. Inhalation of gas may cause allergy. In case of eye-contact rinse thoroughly with water and seek medical help. Do not smoke during work! Make sure that there is good ventilation, use protection means when necessary. Keep out of reach of children.

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Technical data

Property	Unit	Value
Shelf life	months	18
Tack free time	minutes	10 – 14
Cutting time (30 mm bead)	minutes	30 - 40
Completely cured in joint (23 °C)	hours	max. 18
Completely cured in joint (+5 °C)	hours	max. 24
Density (foam gun)	kg/m ³	20 - 25
Density (NewGun)	kg/m ³	22 - 27
Fire class of cured foam		B3 (DIN 4102-1)
Volume decrease	%	None
Expanding volume	%	30
Flash point of cured foam	°C	400
Tensile strength	N/cm ²	10 (BS 5241)
Compression strength at 10%	N/cm ²	4 (DIN 53421)
Thermal conductivity	W/m·K	0,03
Sound reduction index		R _{ST,w} = 60 dB
Temperature resistance of cured foam	°C	long term: -50 until +90 short term: - 65 until +130

The values specified were obtained at 23 °C and 50% relative humidity, unless otherwise specified.