

TECHNICAL DATASHEET

PENOSIL GoldGun Low Expansion All Season

Single-component high-quality PU-foam with very low expansion for filling pressure-sensitive joints. Pressure on joint sides two times lower than the regular PU-foam. Very homogeneous dense structure and minimum post expansion.

Good resistance to moisture and mould. Fast curing. Great results at low temperatures.

Packed in an aerosol can, can be used with a foam gun, moisture curing. Cured foam is a good temperature and sound insulator. The foam has very good adhesion properties. Adheres well to most construction materials, except Teflon, polyethylene and silicone surfaces. After curing does not resist UV-radiation and needs to be covered.

Field of application

The Low Expansion foam is especially suitable for the use in fragile and pressure-sensitive structures. Used for installing doors and windows, insulation and fixation of pipes, filling of holes and gaps as well as for sound and thermal insulation.

Application conditions

Usage temperature between -10 °C and +30 °C, best results at +20 °C. Can temperature during application +5 °C to +25 °C, best results at +20 °C. The surfaces must be clean from dust, loose particles and oil. Cured foam can be painted with water-based paints.

Application instruction

Hold the foam can in upright position, turn the gun to the can by holding the gun handle with one hand, and turn the can with the other hand. Make sure that the gun is not pointed to other persons when turning it. The can must not be screwed to the gun with the valve upside down or by turning the gun on the can. After fixing the gun, shake the can well at least 20 times. The foam output can be adjusted by gun trigger. Substrate should be moistened as the foam expands due to the moisture. A moistened surface ensures better results. At low temperatures foam can must be warmed before work in warm room or water. Temperature of room or water must not exceed +30 °C.

Cleaning

Uncured foam can be cleaned from tools and surfaces with PENOSIL Premium Foam Cleaner
Cured foam can be removed mechanically after softening with PENOSIL Premium Foam Remover
Hands, clothes and foam gun can be cleaned from uncured foam with moistened PENOSIL Premium Cleaning Wipes.

Technical specification

Property	Unit	Value
Tack free time	minute	8–10
Cutting time (30 mm bead)	minute	30–35
Completely cured in joint (at +23 °C)	hour	up to 12
Completely cured in joint (at +5 °C)	hour	up to 18
Density	kg/m ³	20–25
Fire class of cured foam (DIN 4102-1)		B3

Volume decrease	%	non
Post-expansion	%	up to 20
Flash point of cured foam	°C	400
Tensile strength (BS 5241)	N/cm ²	8
Compression strength at 10% deformation (DIN 53421)	N/cm ²	2,5
Thermal conductivity	W/m·K	0,034
Sound reduction index	dB	60
Temperature resistance of cured foam	°C	long term: -50 to +90 short term: -65 to +110

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

Colour

Light yellow.

Package

1000 ml aerosol can, content 750 ml, 12 pcs in a box.

Storage

The cans must be stored and transported in vertical position. Store in a cool and dry place at +5 °C to +30 °C. The foam cans must not be stored above +50 °C, in vicinity of heat sources or in direct sun light. Guaranteed storage time in unopened package 18 months.

Safety requirements

The product is flammable. Protect from overheating and keep away from ignitions sources. Avoid direct sunlight and do not smoke at work. May cause sensitisation by inhalation and skin contact. Ensure sufficient ventilation during application. Wear safety glasses and gloves. Keep out of the reach of children.

Cured foam can be handled without any danger to health.

Detailed safety information is available on safety data sheet (SDS).