

TECHNICAL DATASHEET

PENOSIL Premium SpeedFix Montage All Season

All-season, multifunctional construction and assembly adhesive designed for fast and durable bonding of various materials and structures. The foam adhesive has excellent adhesive and sealing properties. It adheres perfectly to various construction materials, including metal, wood and stone, plastered, painted and varnished surfaces, except for Teflon, polyethylene and silicone. Low post-expansion allows precise and fast gluing. The adhesive bond is strong, yet flexible. This is a moisture-curing foam in an aerosol can be used with a special gun. After curing, it does not resist UV-radiation and needs to be covered.

Fields of application

For indoor and outdoor use. For rooms with high humidity. Fixing materials for thermal insulation of facades and interiors. Attachment of various finishing details. Gluing polystyrene boards, decorative polyurethane elements and ceramic tiles. Installation of windowsills, sidings and MDF panels. Bonding of tongue-and-groove foam-concrete blocks. Filling gaps between polystyrene boards.

Application conditions

Air temperature during application: -5 °C to +30 °C.

Can temperature during application: +5 °C to +25 °C, best results at +20 °C.

At low temperatures, the foam can must be warmed before work in a warm room or water. Temperature of room or water must not exceed +30 °C.

Remove dust, loose particles and grease from the surfaces. Moisten dry substrate to ensure better results.

Application instructions

Shake the can well at least 20 times. Hold the foam can in an upright position, turn the gun to the can by holding the gun handle with one hand and turning the can with the other hand. Make sure that the gun is not pointed at other persons when turning it. Do not screw the can to the gun with the valve upside down or by turning the gun on the can. Foam output can be adjusted by the gun trigger.

For gluing bulky materials, apply adhesive along the entire perimeter of the surface with additional beads parallel to the longer sides with spacing of no more than 40 cm. It is recommended to apply the adhesive in a zigzag pattern on long, narrow materials. Use the gun trigger travel and adjustment screw to control the adhesive bead width.

After applying the adhesive, wait two minutes and join the materials to be glued. Fix the material in the required position for 10 minutes. For large and heavy materials, use supporting elements and additional fixtures for one hour. Incorrectly fixed materials can be peeled off and repositioned within two minutes. Surface evenness can be corrected within five minutes.

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 Cured PU-Foam Remover.

Technical data

Property	Unit	Value
Tack-free time	minutes	10-12
Cutting time (30 mm foam bead)	minutes	30-40
Completely cured	hours	24
Dimensional stability	%	<1
Density	kg/m ³	20-30
Shear strength (in 8-mm joint)*	kPa	>47
Bond strength (in 8-mm joint)*	MPa	0.12
Bond strength (in 8-mm joint at +5 °C)*	MPa	0.10
Bond strength (in 8-mm joint at -5 °C)*	MPa	0.08
Fire class of cured foam (DIN 4102-1)		B2
Thermal conductivity	W/(m·K)	0.034
Sound reduction index	dB	62
Temperature resistance for cured foam	°C	long-term: -50 to +90 short-term: -65 to +130
Output	m ² of wall	10

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, humidity and substrate type.

* Tested with concrete and polystyrene boards

Colour

Light yellow.

Packaging

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

Storage

The cans must be stored and transported in an upright position. Store in a cool, dry place at a temperature between +5 °C and +30 °C.

The aerosol can must not be stored at temperatures above +50 °C, near heat sources or in direct sunlight.

Guaranteed shelf life in original packaging is 12 months.

Safety requirements

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

Cured foam can be handled without any health risk.

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