

TECHNICAL DATA SHEET

PENOSIL Masonry Adhesive 827

One-component, ready to use polyurethane foam adhesive for gluing construction blocks in non-load bearing interior walls.

- Faster work compared to using mortar.
- Foam gun is the only tool needed.
- Dust free work environment.
- A quality result from as low as -5 °C.
- Strong adhesive bonding in just 30 minutes.
- Very economical, saving time and money.
- Ready to use.

Fields of application

- Gluing construction blocks in non-bearing interior walls.

Application instructions

Application conditions

Air temperature during use: -5 °C to +30 °C, best results at +20 °C.

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

Foam can has to be warmed with water or air (max. +30 °C) before starting work in low temperatures.

Surface preparation

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

Application method

Shake the can vigorously at least 20 times. 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 at 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. Turn the can upside down and start applying. The output of foam adhesive can be adjusted by the gun trigger.

Gluing of construction blocks

First row of blocks must be well leveled using mortar. Adhesive should be applied to both vertical and horizontal surfaces. Foam adhesive will form a thin glue layer. Press the stone surfaces together immediately after the adhesive has spread.

Cleaning

Use Penosil Foam Cleaner to clean tools and surfaces from uncured foam. Hands and clothes can also be cleaned from uncured foam with Penosil Cleaning Wipes. Remove cured foam mechanically after softening with Penosil Foam Remover.

Technical data

Properties	Value	Unit
Tack free time (EN 17333-3)	5...10	min
Fully cured (+23 °C)	<24	h
Fully cured (+5/-5 °C)	<72	h
Temperature resistance of cured foam adhesive	-50...+90	°C
Fire class of cured foam adhesive (DIN 4102-1)	B3	

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, moisture and type of substrates.

Technical classification and certificates

- DIN 4102-1 B3 - reaction to fire test.
- EMICODE® EC 1 Plus - very low emission.
- M1 - low emission & odour.
- French VOC class A+.

Colour

Yellow

Package

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

Storage conditions and shelf life

Guaranteed shelf life is 12 months from production date if stored in an unopened packaging in a cool and dry place at +5 °C to +30 °C. Do not expose to temperature over +50°C, do not keep near heat sources or in direct sunlight. Store and transport in vertical position.

Limitations

- Foam does not adhere to Teflon, polyethylene and silicon surfaces.
- Cured foam is sensitive to UV-light and direct sunlight and therefore must be covered with suitable opaque material.

Safety regulations

Pressurized canister. Use only in well-ventilated areas. Do not smoke during application! Use protective gear when necessary. Keep out of the reach of children. See label and safety data sheet (SDS) for more information.

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice. This TDS replaces and supersedes all previous data sheets on the same product.