Partel
Save energy. Build smart.

FOAMSEAL B3 LIQUID

EXPANDING FOAM FOR AIRTIGHT CONNECTIONS

Technical Data

Properties	Performance
Fire behaviour (DIN 4102-1)	Class B3
Rated joint sound reduction index $R_{S,w}$ (C; C_{tr}) (EN ISO 10140)	62 (-1; -4) dB joint 10 & 20 mm wide, 100 mm deep
Processing temperature can min./ max.	+5°C to +30°C
Processing temperature can optimal	+15°C to +25°C
Temperature resistance	-40°C to +80°C short term +120°C
Yield free-foamed (20°C/65 % RLF)	approx. 48 liter/750 ml can
Skin forming time (20°C/65 % RLF)	approx. 8-12 minutes
Cuttable at string thickness 2 cm (20° C/65 % RLF)	approx. 20-30 minutes
Resilient after (20°C/65 % RLF, moistened)	approx. 3 hours
Form stability (20°C/65 % RLF)	±5%
Compressive strength at 10% compression (DIN 53421)	5 – 7 N/cm^2
Water vapour diffusion (EN 12086)	μ = 48
Thermal conductivity (EN12667)	0,0365 W/mK
Storage (dry, at 20°C) higher temperatures shorten the storage time	15 months
Colour	Yellow

Key Features

Partel FOAMSeal Liquid B3 is a moisture-curing 1-component polyurethane foam sealant used for airtight connections, and thermal insulation, suitable for processing with a PU foam gun.
Free from CFC, HCFC and HFC.

- √ Tested sound insulation $R_{S,w}$ 62 dB
- √ Fire behaviour acc. DIN 4102-1: class B3
- √ Excellent adhesion on various substrates
- √ High yield: 48 liters per can
- √ Fast and easy to install
- √ Dimensionally stable
- √ Frost resistant
- √ High bonding strength on various substrates
- √ Good flow resistance, also suitable for wide joints
- √ Very low emission – EMICODE EC1^{PLUS}
- √ Resistant to aging—not applicable to UV radiation
- √ Easy to rework e.g. cutting, sawing, as well as plastering, painting and papering on top

GEV-EMICODE EC 1 PLUS very low emission

"The information provided is based on current knowledge and experience. This data sheet may become invalid and we reserve the right to make changes to designs and processes as we continually improve quality. Processing instructions including full system component details should be adhered to. Visit partel.com for the most up to date information"

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Fields of Application

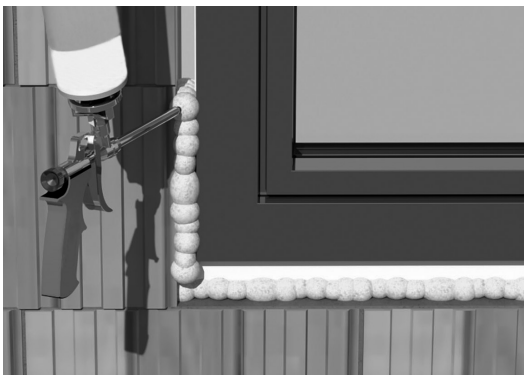
Internal and external usage for airtight connections and thermal insulation.

Suitable for windows, attic conversion, doors, walls, corner joints, air conditioning and ventilation systems, pipelines, wooden structures.

Designed to **fill and seal around gaps**, **cracks and penetrations** in the building envelope to stop air infiltration.

Suitable substrates: Versatile to be used on various substrates like masonry, plaster, wood, concrete, aerated concrete, bricks, clinker, plasterboards, fiberboards, various plastics, corrosion protected metals, styrofoam, various other insulating materials, rigid foam panels, ceramics, tiles, stone.

Application Process



1. The surface must be clean, stable and free from dust, grease, loose particles and release agents.
2. Moisten dry surfaces before foaming. Metals must be provided with a protective coating to prevent corrosion damage due to moistening prior and after application.
3. Shake the can well at least 20 times before use. Remove protective cap from valve.
4. Screw foam gun onto the can and foam sparingly/dosed. After foaming the foam should be sprayed again with water. This accelerates the reaction and ensures optimal curing.
5. The optimum can temperature is 20 °C. Deformation-sensitive components must be adequately supported until complete curing of the foam. Low temperatures slow curing significantly. Substrates must have temperatures of over 0 °C during the entire curing time. The gap widths should not be less than 5 mm and not more than 40 mm. For joints over 40 mm, possibly foam in several layers.

Safety Instructions

Wear gloves during processing as the fresh foam sticks strongly and can only be removed mechanically after hardening. Wear safety glasses. Remove hardened PU foam as far as possible mechanically, then treat the remainder with PU remover Partel FOAMSEAL Cleaner. Remove fresh foam splashes with Partel FOAMSEAL Cleaner.

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