

GAP FILLING EXPANDING FOAM **GUN GRADE**

Technical Data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin formation* (EN 17333-3)	7 min
Cutting time (EN 17333-3)	30 min
Free foamed density (EN 17333-1)	Ca. 22 kg/m ³
Sound insulation (EN ISO 717-1)	58 dB
Thermal conductivity (λ) (EN 12667)	0.035 W/m.K
Box Yield (EN 17333-1)	750 ml yields ca. 35 l of foam
Joint Yield (EN 17333-1)	750 ml yields ca. 24 m of foam
Shrinkage after curing (EN 17333-2)	< 1 %
Expansion after curing (EN 17333-2)	< 4 %
Expansion during curing (EN 17333-2)	Ca. 56 %
Percentage closed cells (ISO4590)	Ca. 47%
Water absorption (EN 29767)	Ca. 0.27 kg/m ³
Compressive strength (EN 17333-4)	Ca. 21 kPa
Shear strength (EN 17333-4)	Ca. 40 kPa
Tensile Strength (EN 17333-4)	Ca. 73 kPa
Elongation at Fmax (EN 17333-4)	Ca. 12.3 %
Temperature resistance**	-20 °C → +90 °C, +120 °C (max 1 hr)
Application temperature	
Can temperature	5 °C → 30 °C
Ambient temperature	5 °C → 30 °C
Surface temperature	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product

Product description

Gap Filling Expanding Foam Gun Grade is a one-component, self-expanding, ready to use polyurethane foam, which contains HCFC- and CFC-free propellants who are not harmful for the Ozone layer and where the canister is provided with a thread so it can be used on a gun.

Properties

- Excellent stability (no shrinkage or post expansion)
- High filling capacity
- Good adhesion on all surfaces (except PE, PP and PTFE).
- High insulation value, thermal and acoustic
- Very good bonding properties.
- Not UV-resistant
- Freon free (not harmless to ozone layer)

- Reusable
- Equipped with Duravalve

Applications

- Installing of window and door frames.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle
- Improving thermal isolation in cooling systems.

Packaging

Colour: champagne

Packaging: 750 ml aerosol (net)

Shelf life

At least 18 months in original, unopened packaging in a cool and dry storage place with temperature between +5°C and +25°C.

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case, it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

26 June 2024

GAP FILLING EXPANDING FOAM **GENIUS GUN**

Substrates

Nature: clean, free of dust and grease

Surface preparation: For optimal adhesion, we recommend to follow a pretreatment procedure. Moisten surfaces with a water sprayer prior to application.

We recommend a preliminary adhesion and compatibility test on every surface.

Application method

Refer to the current Technical Data Sheet on our website prior to use.

Shake the aerosol can for at least 20 seconds. Fit the gun on the adapter.

For non-conventional substrates a preliminary adhesion test is recommended. Fill holes and cavities for 65 %, as the foam will expand.

Repeat shaking regularly during application. If you have to work in layers repeat moistening after each layer. Fresh foam can be removed using Soudal Gun & Foam cleaner or acetone. Prior to using the Gun & Foam cleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this. Cured foam can only be removed mechanically or with Soudal PU Remover.

Cleaning: Clean with Soudal Gun & Foam cleaner or acetone immediately after use. Cured Gap Filling Expanding Foam Gun Grade can be removed mechanically or with PU Foam Remover. Prior to using the Gun & Foam cleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this.

Repair: With the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away.

Consult label and safety data sheet (SDS) for more information. When vaporizing (for example with a compressor), additional security measures will be required. Use only in well-ventilated areas.

Remarks

- Moisten surfaces with a water sprayer prior to application.
- If you have to work in layers repeat moistening after each layer. For not common surfaces we recommend an adhesion test.

Environmental clauses

Leed regulation:

Gap Filling Expanding Foam Gun Grade conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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