Trade Expanding Gunfoam

Product description

Trade Expanding Gunfoam is a one-component, moisture-curing, self-expanding, ready to use polyurethane foam. 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
- Not UV-resistant
- Freon free (not harmless to ozone layer and greenhouse effect)

Applications

- Filling and insulating of mechanically fixed window- and doorframes.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle.
- Improving thermal isolation in cooling systems.
- Filling around pipes/pipe penetrations.

Technical data

Base		Polyurethane
Consistency		Stable foam, thixotropic
Curing system		Moisture curing
Skin formation	EN 17333-3	10 minutes
Cutting time	EN 17333-3	25 minutes
Thermal conductivity (λ)	EN 17333-5	0,037 W/m.K
Sound insulation	EN ISO 717-1	58 dB
Density	EN 17333-1	ca. 27 kg/m³
Joint yield	EN 17333-1	750 ml yields ca. 22 m of foam
Box yield	EN 17333-1	750 ml yields ca. 28 l of foam
Shrinkage after curing	EN 17333-2	< 2%
Expansion after curing	EN 17333-2	None
Compression strength	EN 17333-4	ca. 21 kPa
Shear strength	EN 17333-4	ca. 33 kPa
Tensile strength	EN 17333-4	ca. 79 kPa
Elongation at Fmax	EN 17333-4	ca. 11%
Temperature resistance		-40°C → +90°C

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

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Application method

- Application method
  Shake the aerosol can for at least 20 seconds. Fit the gun on the adapter. Surface should be free from grease and dust. Moisten surfaces with a water sprayer prior to application. For non-conventional substrates a preliminary adhesion test is recommended. Fill holes and cavities for 2/3, 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 & Foamcleaner. Prior to using the Gun & Foamcleaner, 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.

- Can temperature
  +5 °C to +30 °C
- Ambient temperature
  +5 °C to +35 °C
- Surface temperature
  +5 °C to +35 °C

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Always wear gloves and goggles.
Remove cured foam mechanically. Never burn away.
When vaporizing (for example with a compressor), additional security measures will be required.
Use only in well-ventilated areas.

Packaging/Logistics

Colour: Champagne
Packaging: 750 ml aerosol (net)
Shelf life: 18 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C, Upright storage is recommended.

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.
- Not UV-resistant, cured polyurethane foam must be protected against UV exposure by overpainting, sealing with sealants (e.g. silicones, polyurethane, acrylic or hybrid polymer) or covering.

This technical data sheet replaces al 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. It is general in nature and does not constitute any liability. 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. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.

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