Soudafoam Gun Low Expansion

Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (EN 17333-3)	6 min
Cutting Time (EN 17333-3)	20 min
Density	Ca. 20 kg/m³
Sound insulation (EN ISO 717-1)	58 dB
Thermal conductivity (EN 17333-5)	0,036 W/m.K
Box Yield (EN 17333-1)	750 ml yields ca. 42 l of foam
Joint Yield (EN 17333-1)	750 ml yields ca. 31 m of foam
Shrinkage after curing (EN 17333-2)	< 3 %
Expansion after curing (EN 17333-2)	None
Expansion during curing (EN 17333-2)	Ca. 15 %
Compressive strength (EN 17333-4)	Ca. 32 kPa
Shear strength (EN 17333-4)	Ca. 49 kPa
Tensile Strength (EN 17333-4)	Ca. 101 kPa
Elongation at Fmax (EN 17333-4)	Ca. 18,7 %
Temperature resistance**	-40 °C till +90 °C (cured)

** This information relates to fully cured product.

Product description

Soudafoam Gun Low Expansion is a one-component, self-expanding, ready to use polyurethane foam, which contains HCFC- and CFC-free propellants who are not harmful for the ozonlayer and where the canister is provided with a thread so it can be used on a gun. Because of the Duravalve, the optimal yield remains over the entire shelf life, even when stored or transported lying down.

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.
- Freon free (not harmless to ozone layer and greenhouse effect)
- Not UV-resistant
- Low expansion
- Professional quality
- Very precise to dose.

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

24 months unopened and stored in dry and cool conditions (Between 5 and 25 °C), Upright storage is recommended.

Remark: 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. 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.

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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 3/4, 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 or acetone. 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 - 30 °C
Ambient temperature: +5 °C - 30 °C.
Surface temperature: +5 °C - 35 °C

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 material safety data sheet 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.

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