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## SOUDAFOAM GUN LOW EXPANSION

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**Technical data:**

Base	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture cure
Skin formation (20°C/65% R.H.)	Ca. 8 minutes
Drying time (20°C/65% R.H.)	Dust free after 20-25 min.
Curing rate (20°C/65% R.H.)	1h for a 30mm bead
Yield	1000 ml yields 35-40 l cured foam
Shrink	None
Postexpansion	None
Cellular structure	Ca 70-80 % closed cells
Specific gravity	Ca. 25 kg/m <sup>3</sup> (extruded, fully cured)
Temperature resistance	-40°C to +90°C when cured
Colour	Champagne, light green (optional)
Fire class (DIN 4102 part 2)	B3
Shear strength (DIN 53427)	17 N/cm <sup>2</sup>
Pressure strength (DIN 53421)	3 N/cm <sup>2</sup>
Bowing strength (DIN 53423)	7 N/cm <sup>2</sup>
Water absorption (DIN 53429)	1% Vol.

**Product:**

Soudafoam Gun Low Expansion is a one-component, selfexpanding, ready to use polyurethane foam. It is fitted with a plastic adaptorhead for use with a foam applicator gun. It contains CFC-free propellants, which are completely harmless to the ozone layer. The product has a minimal expansion after application (less than 50%) and is therefore very economical to use.

**Characteristics:**

- Excellent adhesion on most substrates (except Teflon, PE and PP)
- High thermal and acoustical insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or postexpansion)
- Very precise application due to the foamgun system
- Very low expansion

**Application areas:**

Installing and sealing of window- and doorframes  
Filling of cavities  
Sealing of all openings in roof constructions  
Creation of a soundproof screen  
Connecting of insulation materials and roof constructions  
Application of a soundproofing layer on motors  
Improving thermal isolation in cooling systems

**Packaging:**

Aerosol can 750 ml

**Shelf life:**

- 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°.
- Always store can with the valve pointed upwards

Remark: 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. In every case it is recommended to carry out preliminary experiments.

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**Application:**

*Shake the aerosol can for at least 20 seconds. Fit the gun on the adapter. Moisten surfaces with a water sprayer prior to application. 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 Foamcleaner or acetone. Cured foam can only be removed mechanically. Working temperature 5°C to 35°C. (20°C-25°C recommended)*

**Health and safety recommendation:**

- Apply the usual industrial hygiene.
- Wear gloves and safety goggles.
- Never burn away PU-foam
- Consult the label for more information.

**Remarks:**

- Work in layers and repeat moistening after each layer
- Cured PU foam must be protected from UV-radiation by painting or applying a top layer of sealant (silicone, MS Polymer, acrylic and PU-sealant)
- Respect the cleaning and storage instructions enclosed in the Foam Gun box.

**Approvals:**

Fire Rating B2: Prüfzeugnis P-SAC 02/IV-010, MFPA Leipzig

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