



Technical Data Sheet

SOUDAFOAM GUN LOW EXPANSION

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Technical Data:

Base	Polyurethane
Consistency	Stable Foam
Curing System	Moisture Cure
Skin Formation	Ca. 8 minutes (20°C/65% R.H.)
Drying time	Dustfree after 20-25 min. at 20°C
Curing Rate	1h for a 30mm bead (20°C/65% R.H.)
Yield	1000mL yields 35-40L cured foam
Shrink	None
Postexpansion	None
Cellular Structure	Ca 70-80% closed cells
Specific Gravity	Ca. 25kg/m³ (extruded, fully cured)
Temperature Resistance	-40°C until +90°C when cured
Character of Foam	Thixotropic, does not slump
Fire Class	B2 (DIN4102 part2)
Shear Strength	17N/cm² (DIN53427)
Pressure Strength	3N/cm² (DIN53421)
Bowing Strength	7N/cm² (DIN53423)
Water Absortion	1% Vol. (DIN53429)

Product:

Soudafoam Gun Low Expansion with CFC-free propellant is a one-component, selfexpanding, ready to use polyurethane foam, with a plastic adaptor for use with a foam gun and with 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 (exept Teflon, PE and PP)
- High thermal and accoustical 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

Applications:

Installating 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 thermical isolation in cooling systems

Packaging:

Colour: champagne, lightgreen (optional)

Packaging: aerosol can 750mL Qualities: firerating B2 (DIN4102)

Shelflife:

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°.

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 responsability for the results obtained. In every case it is recommended to carry out preliminary experiments.

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Surfaces:

Type: all substrates except PE, PP State of Surface: clean, free of dust and grease Preparation: Moistening of the surfaces improves adhesion, curing and denser cellular structure

Application:

Method: aerosol can, shake well before use, apply foam gun, adjust screw (seee label)

Application temperature: +5°C to +30°C

Clean: with Gun & Foamcleaner before curing

Repair: with Soudafoam Gun Low Expansion

Health- and Safety Recommendation:

Apply the usual industrial hygiene. Wear gloves and safety goggles. Remove cured foam by mechnical means only, never burn away

Remarks:

- always moisten surfaces in order to improve curing and cellular structure
- cured PU foam must be protected from UVradiation by painting or applying a top layer of sealants (silicone, MS Polymer, etc)

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