



Technical Data Sheet

SOUDAFOAM 1K

Date:08/09/06

Page 1 of 2

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	1,5h for a 30mm bead (20°C/65% R.H.)
Yield	1000mL yields 35L cured foam
Shrink	None
Postexpansion	None
Cellular Structure	Ca 70-80% closed cells
Specific Gravity	Ca. 25kg/m ³ (extruded, fully cured)
Temperature Resistance	-40°C until +90°C when cured
Character of Foam	Thixotropic
Fire Class	B3 (DIN4102 part2)
Insulation Factor	33mW/meter Kelvin
Shear Strength	17N/cm ² (DIN53427)
Pressure Strength	3N/cm ² (DIN53421)
Bowing Strength	7N/cm ² (DIN53423)
Water Absortion	1% Vol. (DIN53429)
Accoustic Rating	R _{ST,W} = 58dB

Product:

Soudafoam 1K with CFC-free propellant is a one-component, selfexpanding, ready to use polyurethane foam with propellants which are completely harmless to the ozone layer.

Characteristics:

- Excellent adhesion on most substrates (except Teflon, PE and PP)
- High thermal and accoustical insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or postexpansion)

Applications:

- Installation of window- and doorframes
- Filling of cavities
- Sealing of all openings in roof constructions
- Creation of a soundproof screen
- Mounting and sealing of window- and doorframes

- Connecting of insulation materials and roof constructions
- Application of a soundproofing layer on motors
- Improving thermal insulation in cooling systems

Packaging:

Colour: champagne

Packaging: aerosol can 750mL, 500mL

Shelflife and Storage :

- 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

Surfaces:

Type: all substrates except PE, PP

State of Surface: clean, free of dust and grease

Preparation: Moistening of the surfaces improves adhesion and curing and results in a denser cellular structure

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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Date:08/09/06

Page 2 of 2

Application:

Method: aerosol can, shake well before use.

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

Clean: with Gun & Foamcleaner before curing

Repair: with Soudafoam 1K

Health- and Safety Recommendation:

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

Remarks:

- Always moisten surfaces in order to improve curing and cellular structure
- Cured PU foam must be protected from UV-radiation by painting or applying a top layer of sealants (silicone, MS Polymer, etc)
- Always store can with the valve pointed upwards

**WHAT IMAGE DO YOU
WANT IN HERE???**



Technical Data Sheet

SOUDAFOAM GUN

Revision date: 04/01/2011

Page 1 of 2

Technical Data:

Base	Polyurethane
Consistency	Stable foam
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 m in.
Curing rate (20°C/65% R.H.)	1 h for a 30 mm bead
Yield	1000 ml yields 35-40 l cured foam
Shrink	None
Post expansion	None
Cellular structure	Ca 70-80% closed cells
Specific gravity	Ca. 17 kg/m ³ (extruded, fully cured)
Temperature resistance	-40°C to +90°C when cured
Colour	Champagne, light green (optional)
Fire class (DIN 4102 part 2)	B3
Insulation factor	32 mW/m.K
Shear strength (DIN 53427)	17 N/cm ²
Pressure strength (DIN 53421)	3 N/cm ²
Bowing strength (DIN 53423)	7 N/cm ²
Water absorption (DIN 53429)	1% Vol.

Product:

Soudafoam Gun is a one-component, self-expanding, ready to use polyurethane foam. It is fitted with a plastic adaptor head for use with a foam applicator gun. It contains CFC-free propellants, which are completely harmless to the ozone layer.

Characteristics:

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

Application areas:

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

Packaging:

Aerosol can 750mL

Shelf life:

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

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Revision date: 04/01/2011

Page 2 of 2

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.
- Remove cured foam by mechanical means only, never burn away
- Consult the label for more information

Remarks:

- 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)

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