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**SOUDAFOAM 1K**

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**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 <sup>3</sup> (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 <sup>2</sup> (DIN53427)
Pressure Strength	3N/cm <sup>2</sup> (DIN53421)
Bowing Strength	7N/cm <sup>2</sup> (DIN53423)
Water Absortion	1% Vol. (DIN53429)
Accoustic Rating	R <sub>ST,W</sub> = 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:* *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

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