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**SOUDAFOAM 1K**

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**Revision date: 10/01/2013****Page 1 of 2****Technical data:**

Base	Polyurethane
Consistency	Stable foam
Curing system	Moisture-cure, thixotropic
Skin formation	Ca. 8 minutes (20°C/65% R.H.)
Drying time	Dust free after 20-25 min. at 20°C
Curing rate	1,5 h for a 30 mm bead (20°C/65% R.H.)
Yield	1000 ml yields 40 L cured foam
Shrink	None
Post expansion	None
Cellular structure	Ca 70-80% closed cells
Specific gravity	Ca 25 g/m <sup>3</sup> (extruded, fully cured)
Temperature resistance	-40°C until +90°C when cured
Colour	champagne
Fire Class (DIN 4102 part2)	B3
Insulation Factor	35 mW/mK
Shear Strength (DIN53427)	17 N/cm <sup>2</sup>
Pressure Strength (DIN53421)	3 N/cm <sup>2</sup>
Bowing Strength (DIN53423)	7 N/cm <sup>2</sup>
Water Absorption (DIN53429)	1% Vol.
Acoustic Rating	R <sub>ST,W</sub> = 58dB

**Product:**

Soudafoam 1K with is a one-component, self-expanding, 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 acoustical insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or post expansion)

**Application examples:**

- 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:**

Aerosol can 750 ml, 500 ml, 300ml

**Shelf life and storage:**

- See can.
- Store 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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**Revision date: 10/01/2013****Page 2 of 2****Application:**

Shake the aerosol can for at least 20 seconds. Put the adapter on the valve. Moisten surfaces with a water sprayer prior to application. Remove pressure from the applicator to stop. Fill holes and cavities for 50 %, 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, PU and acrylic)

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