



# SOUDAFOAM 1K

Revision: 01/01/2016

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**Technical data:**

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (FEICA TM 1014)	8 min
Cutting Time (FEICA TM 1005)	28 min
Density	Ca. 25 kg/m <sup>3</sup>
Sound insulation (EN ISO 717-1)	58 dB
Insulation factor (DIN52612)	35 mW/m.K
Curing time	90 min for a 30 mm bead
Box Yield (FEICA TM 1003)	300 ml yields ca. 12 l of foam 500 ml yields ca. 20 l of foam 600 ml yields ca. 24 l of foam 750 ml yields ca. 29 l of foam
Joint Yield (FEICA TM 1002)	750 ml yields ca. 21 m of foam
Shrinkage (FEICA TM 1004)	< 2 %
Post-expansion (FEICA TM 1004)	< 2 %
Cellular Structure	Ca. 70 % closed cells
Fire rating (DIN4102)	B3
Insulation factor (DIN52612)	35 mW/m.K
Compressive strength (FEICA TM 1011)	Ca. 2,0 N/cm <sup>2</sup>
Shear strength (FEICA TM 1012)	Ca. 5,0 N/cm <sup>2</sup>
Water absorption	1 % volume
Temperature resistance	-40 °C till +90 °C (cured)

Soudal NV uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers. Further information at: [www.feica.eu](http://www.feica.eu)

**Product:**

Soudafoam 1K is a one-component, self-expanding, ready to use polyurethane foam with CFC-free 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

**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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**Packaging:**

Aerosol can 750 ml, 300ml

**Shelf life and storage:**

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

**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 40°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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