

# SOUDAFOAM 1K

Revision: 1/04/2024

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## Technical Data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing System	Moisture curing
Specific Gravity	Ca. 29
Skin formation time (23°C/50% R.H) (min)*	10
Cutting Time (23°C/50% R.H) (min)*	35
Tensile Strength (ISO 37)** (kPa)**	Ca. 80
Elongation at Break (ISO 37)** (%)	Ca. 16.7
Shear strength (EN 17333-4) (kPa)**	Ca. 39
Compressive strength (EN 17333-4) (kPa)**	Ca. 22
Percentage closed cells (ISO4590) (%)	Ca. 7
Expansion during curing (EN 17333-2) (%)	Ca. 167
Expansion after curing (EN 17333-2)	None
Shrinkage after curing (EN 17333-2) (%)	< 1
Joint Yield (EN 17333-1)	300 ml yields ca. 8 m of foam 500 ml yields ca. 13 m of foam 750 ml yields ca. 20 m of foam
Box Yield (EN 17333-1)	300 ml yields ca. 10 l of foam 500 ml yields ca. 17 l of foam 750 ml yields ca. 28 l of foam
Thermal conductivity (λ) (EN 12667)	0.035
Sound insulation (EN ISO 717-1) (dB)	58
Temperature Resistance** (°C)	-40 to +90 (cured)

\*These values may vary depending on environmental factors such as temperature, moisture and the type of substrate.

\*\*This information relates to fully cured products.

### Description:

Soudafoam 1K is a one-component, self-expanding, ready to use PU-foam, which contains HCFC and CFC-free propellants who are not harmful for the ozone layer.

### Properties:

- Excellent stability (no shrinkage or post expansion)
- High filling capacity
- Good adhesion on all surfaces (except PE, PP and PTFE)
- High insulation value, thermal and acoustic
- Very good bonding properties
- Not UV-resistant
- Freon free (not harmless to ozone layer and greenhouse effect)

### Packaging:

Colour: champagne

Packaging: 750 ml aerosol (net)

### Applications:

- Filling of cavities
- Sealing of all openings in roof constructions
- Apply of an acoustic baffle
- Improving thermal isolation in cooling systems
- All foam applications in static joints

### Shelf Life and Storage:

12 months unopened and stored in dry and cool conditions (Between 5°C and 25°C), upright storage is recommended.

### Health and Safety Recommendations:

Take the usual labour hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away. Consult label and material safety data sheet for more information. When vaporizing (for example with a compressor), additional security measures will be required. Use only in well ventilated areas.

**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.

**Soudal India Pvt. Ltd.**

Plot No. 200, Sec. 4, Phase - II, Growth Centre, Bawal, Dist. Rewari, Haryana - 123501 (India)

info@soudal.in | www.soudal.in | +91 8010-114-114

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**Revision: 1/04/2024****Page 2 of 2****Application Method:**

Shake the aerosol can for at least 20 seconds. Put the adapter on the valve. Moisten surfaces with a water sprayer prior to application. For non-conventional substrates a preliminary adhesion test is recommended. Remove pressure from the applicator to stop. Fill holes and cavities for 1/3, 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 Gun & Foam Cleaner or acetone. Prior to using the Gun & Foam Cleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this. Cured foam can only be removed mechanically or with Soudal PU-Remover.

Can temperature: +5°C to +30°C

Ambient temperature: +5°C to +30°C.

Surface temperature: +5°C to +30°C

**Remark:**

- Moisten surfaces with a water sprayer prior to application. If you have to work in layers repeat moistening after each layer. For not common surfaces we recommend an adhesion test.

**Environmental Clauses:**

Leed regulation:

Soudafoam 1K conforms to the requirements of LEED. Low – Emitting Materials: Adhesives and Sealants. SCAQM Drule 1168. Meets USGBC LEED requirements v4.1: Low-Emitting Materials - Adhesives & Sealants regarding VOC content.

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