

Soudafoam 2K

Revision: 3/02/2018

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Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Polymerisation by hardener (2nd component)
Skin Formation (FEICA TM 1014)	9 min
Cutting Time (FEICA TM 1005)	15 min
Free foamed density (FEICA TM 1019)	Ca. 42 kg/m ³
Sound insulation (EN ISO 717-1)	61 dB
Thermal conductivity (FEICA TM 1020)	31,9 mW/m.K
Application time	Empty within 5 minutes after activation.
Box Yield (FEICA TM 1003)	400 ml yields ca. 10 l of foam
Joint Yield (FEICA TM 1002)	400 ml yields ca. 8 m of foam
Shrinkage after curing (FEICA TM 1004)	< 4 %
Expansion after curing (FEICA TM 1004)	None
Expansion during curing (FEICA TM 1010)	Ca. 192 %
Percentage closed cells (ISO4590)	Ca. 81 %
Fire rating (DIN4102)	B2
Water absorption (EN1609)	Ca. 0,23 kg/m ²
Compressive strength (FEICA TM 1011)	Ca. 91 kPa
Shear strength (FEICA TM 1012)	Ca. 118 kPa
Tensile Strength (FEICA TM 1018)	Ca. 212 kPa
Elongation at Fmax (FEICA TM 1018)	Ca. 24,6 %
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

Product description

Soudafoam 2K is a two-component, self-expanding, ready to use PU-foam, which contains HCFC- and CFC-free propellants who are not harmful for the ozonlayer. Due to its rapid curing and high strength, the product is extremely suitable for installation of doors and windows and renovation work.

- Freon free (not harmless to ozone layer and greenhouse effect)
- Fast curing
- Not UV-resistant

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.

Applications

- Installing of window and door frames.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle
- Improving thermal isolation in cooling systems.

Packaging

Colour: light green

Packaging: 400 ml aerosol (net)

Remark: This technical data sheet replaces all previous versions. 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. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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

Application method

Recommended can temperature 10 °C - 25 °C. Make sure that doors and/or windows are placed properly before activating the can. Turn the black disk on the bottom of the can 5 times to the right, shake the can firmly for at least 20 times with the valve pointed down, apply the applicator onto the valve and apply the foam with the valve pointed downwards. The extruded foam needs to have a solid light-green colour. If not, repeat activation. To avoid curing inside the can it is imperative to completely empty the can within 5 minutes after mixture of the components. Fill the joint for 1/3 as the foam will expand further during curing. Immediately remove spilled foam with a foam cleaner, cured foam must be removed mechanically. If necessary cover and tape up the substrate and adjacent materials.

Can temperature: +10 °C - 30 °C

Ambient temperature: +5 °C - 30 °C.

Surface temperature: +5 °C - 35 °C

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.

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