

Soudafoam 1K-B1

Revision: 13/10/2014

Page 1 from 2

Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Polymerisation through moisture
Skin formation* (20°C / 65% R.H.)	8 min
Density	Ca. 25 kg/m ³
Temperature resistance	-40°C till +90°C (cured)
Curing time	40 minuten (FEICA TM 1005-210)
Drying time (20°C and 60% R.H.)	Dust-proof after 20 -25 min
Box Yield (TM 1003-2010)	750ml yields 30 l (FEICA TM 1003-2010)
Shrinkage	<5%(FEICA TM 1004-2010)
Post-expansion	<1% (FEICA TM 1004-2010)
Cellular Structure	Ca. 70 to 80% closed cells
Fire rating (DIN4102)	B1
Insulation factor (DIN52612)	36 mW/m.K
Compressive strength (DIN53421)	ca. 3.5 N/cm ² (FEICA TM1010)
Bending strength (DIN53426)	Ca. 7 N/cm ²
Shear strength (DIN 53427)	Ca. 14 N/cm ²
Water absorption	1% volume

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 1K-B1 is a 1 component, ready to use PU-foam, which contains propellants who are not harmful for the ozonlayer. The foam meets B1 (according DIN 4102)

- Apply of a sound absorbing layer.
- Improving thermal isolation in cooling systems.

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.

Packaging

Colour: blue

Packaging: Aerosol 500ml (Nett)

Shelf life

12 months unopened und stored in dry and cool conditions, Store the can right up

Applications

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

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 beyond our control, no liability under this publication are 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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Revision: 13/10/2014

Page 2 from 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.
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

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.

Remarks

- Slightly moistening of the surface in hollow spaces optimizes the good adhesion and the yield.
- For filling of large cavities: apply foam in layers and repeat moistening after each layer.

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