

Soudafoam 1K

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Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Polymerisation through moisture
Skin formation* (20°C / 65% R.H.)	10 min
Density	Ca. 25 kg/m ³
Temperature resistance	-40°C till +90°C (cured)
Curing time	90 minutes for a 30mm bead
Drying time (20°C and 60% R.H.)	dust free
Box Yield (TM 1003-2010)	1000 ml yields 35-40l
Shrinkage	None
Post-expansion	None
Cellular Structure	Ca. 70 to 80% closed cells
Fire rating (DIN4102)	B3
Insulation factor (DIN52612)	33 mW/m.K
Compressive strength (DIN53421)	Ca. 3 N/cm ²
Bending strength (DIN53426)	Ca. 7 N/cm ²
Shear strength (DIN 53427)	Ca. 17 N/cm ²
Water absorption	1% volume

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Product description

Soudafoam 1K is a 1 component, ready to use PU-foam, which contains propellants who are not harmful for the ozonlayer

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.
- Apply of a sound absorbing layer.

- Improving thermal isolation in cooling systems.

Packaging

Colour: champagne

Packaging: Aerosol 500ml, 600ml and 750ml (nett)

Shelf life

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

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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Application method

Shake the aerosol can for at least 20 seconds. Fit the gun on the adapter. Surface should be free from grease and dust. Moisten surfaces with a water sprayer prior to application. Fill holes and cavities for 65 %, 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 SoudalFoamcleaner 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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