



Soudafoam 2K B2

Product description

Soudafoam 2K B2 is a two-component, self-expanding, ready to use polyurethane foam. Due to its rapid curing and high strength, the product is extremely suitable for installation of interior doors and renovation work.

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
- Fast curing
- Good mechanical characteristics
- Not UV-resistant

Applications

- Installation of interior doors.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle.
- Improving thermal isolation in cooling systems.
- Filling around pipes/pipe penetrations.



Technical data

Base		Polyurethane
Consistency		Stable foam, thixotropic
Curing system		Polymerisation by hardener (2nd component)
Skin formation	EN 17333-3	9 minutes
Cutting time	EN 17333-3	15 minutes
Full strength		After ca. 4 hours (30 mm foam bead)
Thermal conductivity (λ)	EN 12667	0,034 W/m.K
Sound insulation	EN ISO 717-1	63 dB
Density	EN 17333-1	ca. 42 kg/m ³
Fire reaction class	EN 13501-1	E (normal flammability)
Open time		Empty within 5 minutes after activation.
Joint yield	EN 17333-1	400 ml yields ca. 8 m of foam
Box yield	EN 17333-1	400 ml yields ca. 10 l of foam
Shrinkage after curing	EN 17333-2	< 4%
Expansion after curing	EN 17333-2	None
Expansion during curing	EN 17333-2	ca. 192%
Percentage closed cells	ISO 4590	ca. 81%



MFPA Leipzig GmbH
Gesellschaft für Materialforschung und
Prüfungsanstalt für das Bauwesen Leipzig mbH





Soudafoam 2K B2

Compression strength	EN 17333-4	ca. 91 kPa
Shear strength	EN 17333-4	ca. 118 kPa
Tensile strength	EN 17333-4	ca. 212 kPa
Elongation at Fmax	EN 17333-4	ca. 25%
Water absorption	ISO 29767	ca. 0,23 kg/m ²
Temperature resistance		-40°C → +90°C

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Application method

- 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 lightgreen 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. Prior to using the cleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this. If necessary cover and tape up the substrate and adjacent materials.
- Can temperature
+10 °C to +30 °C
- Ambient temperature
+5°C to +30 °C
- Surface temperature
+5 °C to +35 °C

Health- and Safety Recommendations

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

Packaging/Logistics

Colour: Green
Packaging: 400 ml aerosol
Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C, Upright storage is recommended.

Standards and certificates

- EC1 Plus label: very low emission
- Building Material Class B2 (DIN 4102-1)

Remarks

- The can needs to be emptied within 5 minutes after mixture of the components to avoid curing inside the can.
- Not UV-resistant, cured polyurethane foam must be protected against UV exposure by overpainting, sealing with sealants (e.g. silicones, polyurethane, acrylic or hybrid polymer) or covering.

Soudafoam 2K B2

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. It is general in nature and does not constitute any liability. 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. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.