

Trade Expanding Foam B1

Revision: 25/08/2017

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Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (FEICA TM 1014)	8,5 min
Cutting Time (FEICA TM 1005)	65 min
Free foamed density (FEICA TM 1019)	Ca. 40 kg/m ³
Sound insulation (EN ISO 717-1)	58 dB
Thermal conductivity (FEICA TM 1020)	35,4 mW/m.K
Box Yield (FEICA TM 1003)	750 ml yields ca. 32 l of foam
Joint Yield (FEICA TM 1002)	750 ml yields ca. 22 m of foam
Shrinkage after curing (FEICA TM 1004)	< 5 %
Expansion after curing (FEICA TM 1004)	None
Expansion during curing (FEICA TM 1010)	Ca. 135 %
Percentage closed cells (ISO4590)	Ca. 70 %
Fire rating (DIN4102)	B1
Water absorption (EN1609)	Ca. 0,20 kg/m ²
Compressive strength (FEICA TM 1011)	Ca. 37 kPa
Shear strength (FEICA TM 1012)	Ca. 43 kPa
Tensile Strength (FEICA TM 1014)	Ca. 78 kPa
Elongation at Fmax (FEICA TM 1014)	Ca. 22,7 %
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

Trade Expanding Foam B1 is a one-component, self-expanding, ready to use PU-foam, which contains HCFC- and CFC-free 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.
- Not UV-resistant
- Freon free (not harmless to ozone layer and greenhouse effect)

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: blue

Packaging: 750 ml aerosol (net)

Shelf life

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

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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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 & Foamcleaner or acetone. Cured foam can only be removed mechanically or with Soudal PU-Remover.

Can temperature: +5 °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.

Remarks

- 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.

Standards and certificates

- Baustoffklasse B1 (DIN 4102-1) - Prüfzeugnis P-SAC 02/III-374 (MFPA Leipzig)

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