

Soudafoam FR

Revision: 22/12/2020

Page 1 from 2

Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (FEICA TM 1014)	9,5 min
Cutting Time (FEICA TM 1005)	90 min
Density**	Ca. 25 kg/m ³
Sound insulation (EN ISO 717-1)	62 dB
Thermal conductivity (λ) (EN 12667)	0.034 W/m.K
Box Yield (FEICA TM 1003)	750 ml yields ca. 30 l of foam
Joint Yield (FEICA TM 1002)	750 ml yields ca. 17 m of foam
Shrinkage after curing (FEICA TM 1004)	< 6 %
Expansion after curing (FEICA TM 1004)	< 1 %
Expansion during curing (FEICA TM 1010)	Ca. 86 %
Compressive strength (FEICA TM 1011)	Ca. 104 kPa
Shear strength (FEICA TM 1012)	Ca. 43 kPa
Temperature resistance**	-40 °C till +90 °C (cured)

** This information relates to fully cured product.

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 FR is a one-component, self-expanding, ready to use polyurethane foam. Soudafoam FR is a PU-foam with fire retardant characteristics according to the European standard EN 1366-4.

Properties

- Fire resistant in a joint (EN 1366-4)
- High filling capacity
- Good adhesion on all surfaces (except PE, PP and PTFE).
- High insulation value, thermal and acoustic
- Very good bonding properties.
- Gas- and flame proof up to 240 minutes in a joint
- Water resistant (not watertight)
- Not UV-resistant

Applications

- Installation of fireproof doors and windows.

- Sealing of fire retardant joints in walls and ceiling.
- As part of the 'Soudal Fire Range' assortment for penetration seals and joints.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle
- All foam applications in static joints.

Packaging

Colour: pink

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.

Soudafoam FR

Revision: 22/12/2020

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. 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. Prior to using the Gun & Foamcleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this. 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. Use only in well ventilated areas.

Standards and certificates

- European Technical Approval Soudafoam FR - ETA 13/0280
- CE-marked (BCCA - EC conformity CPR)
- Joint Sound Reduction Test by IFT
- Various test and classification reports in various accredited testing institutes: IFT Rosenheim, ITB Poland, Warrington Fire Gent, Warrington Fire Australia, Efectis Netherlands, Efectis France, CSTB France, CSI Italy.

- Testresults for penetration seals and/or joints with Soudafoam FR are freely accessible in the 'Fire Range Application manual Penetration seals and Joints' on the Soudal Website. The corresponding certificates can be obtained through the Soudal sales representatives or trough the Soudal Website.

Environmental clauses

Leed regulation:

Soudafoam FR conforms to the LEED requirements. Low emission materials: Adhesives & Sealants. SCAQMD regulation 1168. Meets USGBC LEED requirements v4.1: Low-Emitting Materials - Adhesives & Sealants regarding VOC content.

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