

## Soudafoam FR HY Gun

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### Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (FEICA TM 1014)	6,5 min
Cutting Time (FEICA TM 1005)	20 min
Density**	Ca. 19 kg/m <sup>3</sup>
Thermal conductivity ( $\lambda$ ) (EN 12667)	0.036 W/m.K
Box Yield (FEICA TM 1003)	750 ml yields ca. 44 l of foam
Joint Yield (FEICA TM 1002)	750 ml yields ca. 35 m of foam
Shrinkage after curing (FEICA TM 1004)	< 2 %
Expansion after curing (FEICA TM 1004)	< 2 %
Compressive strength (FEICA TM 1011)	Ca. 30 kPa
Shear strength (FEICA TM 1012)	Ca. 48 kPa
Tensile Strength (FEICA TM 1018)	Ca. 93 kPa
Elongation at Fmax (FEICA TM 1018)	Ca. 11,5 %
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](http://www.feica.eu)

### Product description

Soudafoam FR HY Gun is a one-component, self-expanding, ready to use polyurethane foam, which contains HCFC- and CFC-free propellants who are not harmful for the ozonlayer and where the canister is provided with a thread so it can be used on a gun. Soudafoam FR HY Gun is a PU-foam with fire retardant characteristics according to the European standard EN 1366-4. Because of the Duravalve, the optimal yield remains over the entire shelf life, even when stored or transported lying down.

### Properties

- Fire resistant in joint applications (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.

- 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

15 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. Fit the gun on the adapter. Surface should be free from grease and dust. Moisten surfaces with a water sprayer prior to application. For non-conventional substrates a preliminary adhesion test is recommended. 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 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. Use only in well ventilated areas.

### 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

- Tested according to standard EN 1366-4 for fire-resistant jointing
- Classification report according to EN 13501-2 by Warrington Exova (report nr. 19660B) and in combination with fire-resistant sealants (19660C)

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