

SOUDAFOAM FR HY GUN

Revision: 1/04/2024

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Technical Data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (EN 17333-3)	6,5 min
Cutting Time (EN 17333-3)	20 min
Density	Ca. 19 kg/m ³
Sound insulation (EN ISO 717-1)	60 dB
Thermal conductivity (λ) (EN 12667)	0,036 W/m.K
Box Yield (EN 17333-1)	750 ml yields ca. 44 l of foam
Joint Yield (EN 17333-1)	750 ml yields Ca. 35 m of foam
Shrinkage after curing (EN 17333-2)	< 2 %
Expansion after curing (EN 17333-2)	< 2 %
Compressive strength (EN 17333-4)	Ca. 30 kPa
Shear strength (EN 17333-4)	Ca. 48 kPa
Tensile Strength (EN 17333-4)	Ca. 93 kPa
Elongation at Fmax (EN 17333-4)	Ca. 11,5%
Temperature resistance**	-40 °C till +90 °C (cured)

*These values may vary depending on environmental factors such as temperature, moisture and the type of substrate.

**This information relates to fully cured products.

Description:

Soudafoam FR HY Gun is a single-component, self-expanding polyurethane foam designed for use with a gun applicator due to its threaded canister. It features fire-retardant properties compliant with European standard EN 1366-4. The foam includes a Duravalve, ensuring optimal yield throughout its shelf life, even when stored or transported horizontally.

Properties:

- Fire resistant in a joint (EN 1366-4) for 240 minutes
- 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

Packaging:

Colour: pink

Packaging: 750 ml aerosol (net)

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

Shelf Life and Storage:

15 months unopened and stored in dry and cool conditions (Between +5°C and +25°C), upright storage is recommended.

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.

Remark: 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. In every case it is recommended to carry out preliminary experiments.

Soudal India Pvt. Ltd.

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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 & Foam cleaner or acetone. Prior to using the Gun & Foam cleaner, 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 to +30°C

Ambient temperature: +5°C to +30°C.

Surface temperature: +5°C to +35°C

Remark:

- 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 EN13501-2 by Warrington Exova (report nr.19660B) and in combination with fire-resistant sealants (19660C).
- EMICODE EC1 Plus - Lizenz 11728 (GEV, Düsseldorf) M1 Emission classification of building materials
- Sound insulation (EN ISO 717-1) - Test report 20-002317-PR01 PB 01-K05-04-en-03 (IFT Rosenheim)

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