# Soudafoam FR HY



**Technical data**

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| Basis | Polyurethane |
| Consistency | Stable foam, thixotropic |
| Curing system | Moisture curing |
| Skin Formation (EN 17333-3) | 9,5 min |
| Cutting Time (EN 17333-3) | 50 min |
| Density | Ca. 40 kg/m³ |
| Sound insulation (EN ISO 717-1) | 60 dB |
| Thermal conductivity (λ) (EN 12667) | 0,033 W/m.K |
| Box Yield (EN 17333-1) | 750 ml yields ca. 34 l of foam |
| Joint Yield (EN 17333-1) | 750 ml yields ca. 18 m of foam |
| Shrinkage after curing (EN 17333-2) | < 1 % |
| Expansion after curing (EN 17333-2) | < 1 % |
| Compressive strength (EN 17333-4) | Ca. 70 kPa |
| Shear strength (EN 17333-4) | Ca. 59 kPa |
| Tensile Strength (EN 17333-4) | Ca. 134 kPa |
| Elongation at Fmax (EN 17333-4) | Ca. 14,2 % |
| Temperature resistance** | -40 °C till +90 °C (cured) |

** This information relates to fully cured product.

**Product description**
Soudafoam FR HY 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. Soudafoam FR HY 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) 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.
- 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**
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 al 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. 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**
- 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)
- 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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