Technical datasheet

Soudafoam FR HY

Product description

Soudafoam FR HY is a one-component, moisture-curing, self-expanding, ready to use polyurethane foam. Soudafoam FR HY is fire resistant according to EN 1366-4.

Properties

- Fire resistant in a joint (EN 1366-4) for 240 minutes
- As part of the 'Soudal Fire Range' assortment for penetration seals and joints
- 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
- Very precise to dose

Applications

- Installation of fireproof doors and windows.
- Sealing of fire resistant joints in walls and ceiling.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle.
- All foam applications in static and not static joints.
- Is part of the 'Soudal Fire Range' assortment for penetration seals and joints.

Technical data

Base		Polyurethane
Consistency		Stable foam, thixotropic
Curing system		Moisture curing
Skin formation	EN 17333-3	9,5 minutes
Cutting time	EN 17333-3	50 minutes
Thermal conductivity (λ)	EN 12667	0,033 W/m.K
Sound insulation	EN ISO 717-1	60 dB
Density	EN 17333-1	ca. 40 kg/m³
Joint yield	EN 17333-1	750 ml yields ca. 18 m of foam
Box yield	EN 17333-1	750 ml yields ca. 34 l of foam
Shrinkage after curing	EN 17333-2	< 1%
Expansion after curing	EN 17333-2	< 1%
Compression 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%

Soudal UK
Soudal House, Unit 1, Centurion Way, Centurion Park, B77 5PN Tamworth
+44 1827 261 092
www.soudal.com salesuk@soudal.com

Soudafoam FR HY

Temperature resistance	-40°C → +90°C

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Application method

- 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. 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 onlybe removed mechanically or with Soudal PU-Remover.

- Can temperature
  +5 °C to +30 °C
- Ambient temperature
  +5 °C to +35 °C
- Surface temperature
  +5 °C to +35 °C

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Always wear gloves and goggles.
Remove cured foam mechanically. Never burn away.
When vaporizing (for example with a compressor), additional security measures will be required.
Use only in well-ventilated areas.

Packaging/Logistics

Colour: Pink
Packaging: 750 ml aerosol (net)
Shelf life: 15 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C, Upright storage is recommended.

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)
- EC1 Plus label: very low emission
- M1 Emission classification of building materials
- Sound insulation (EN ISO 717-1)

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.
- Not UV-resistant, cured polyurethane foam must be protected against UV exposure by overpainting, sealing with sealants (e.g. silicones, polyurethane, acrylic or hybrid polymer) or covering.

Soudal UK
Soudal House, Unit 1, Centurion Way, Centurion Park, B77 5PN Tamworth
+44 1827 261 092
www.soudal.com salesuk@soudal.com

Soudafoam FR HY

Soudal UK
Soudal House, Unit 1, Centurion Way, Centurion Park, B77 5PN Tamworth
+44 1827 261 092
www.soudal.com salesuk@soudal.com