Soudafoam FR Gun

Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (EN 17333-3)	9,5 min
Cutting Time (EN 17333-3)	55 min
Density	Ca. 25 kg/m³
Sound insulation (EN ISO 717-1)	62 dB
Thermal conductivity (λ) (EN 12667)	0,033 W/m.K
Box Yield (EN 17333-1)	750 ml yields ca. 37 l of foam
Joint Yield (EN 17333-1)	750 ml yields ca. 24 m of foam
Shrinkage after curing (EN 17333-2)	< 8 %
Expansion after curing (EN 17333-2)	None
Expansion during curing (EN 17333-2)	Ca. 40 %
Compressive strength (EN 17333-4)	Ca. 52 kPa
Shear strength (EN 17333-4)	Ca. 47 kPa
Temperature resistance**	-40 °C till +90 °C (cured)

** This information relates to fully cured product.

Product description

Soudafoam FR Gun is a one-component, self-expanding, ready to use polyurethane foam, where the canister is provided with a thread so it can be used on a gun. Soudafoam FR 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 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.
- CE marked (ETAG 026)
- 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.

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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. 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 Gun 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.
- M1 Emission classification of building materials