

Product Data Sheet

Soudal Fire Rated Expanding Foam

Revision 8 - 1st April 2022



Soudal Fire Rated Expanding Foam

Fire Rated Foam

- Ready to use PU foam in a 750ml can.
- 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.
- 15 months unopened and stored in dry and cool conditions (Between 5 and 25 °C), Upright storage is recommended.



Product Description

Soudal Fire Rated Expanding Foam is a one-component, self-expanding, ready to use polyurethane foam, which contains HCFC- and CFC-free propellants which are not harmful for the ozon layer and where the canister is provided with a thread so it can be used on a gun. Soudal Fire Rated Expanding Foam 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.

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
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)

** This information relates to fully cured product.

Product Availability

Sold in 750 ml pressurised canisters individually or boxes of 12. Colour: Pink
 15 months unopened and stored in dry and cool conditions (Between 5 and 25 °C), Upright storage is recommended.

Product Code	Product Description	Size
AFFRECFOAM	Soudal Fire Rated Expanding Foam	750ml

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / sizes
 Typical example:- 10 / AFFRECFOAM / Soudal Fire Rated Expanding Foam / 750ml

>> Tel: [01329 844 500](tel:01329844500) or >> Email: sales@astroflame.com

Application

- 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.

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

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. For more information please contact the team on: T: [01329 844 500](tel:01329844500) or E: sales@astroflame.com

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

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Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329844500) or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

For further information on installation requirements please contact us to ensure the compatibility of this product, if in doubt please contact the technical team on: tel [01329 844 500](tel:01329844500) or email sales@astroflame.com

Health and Safety

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. Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500) or E: sales@astroflame.com

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