



Buildings are compartmentalised to delay the spread of fire from one area to another. These compartments are usually linked by fire doors to allow the flow of traffic around the building. Fire doors have two important functions in a fire; when closed they form a barrier to stop the spread of fire and when opened they provide a means of escape. Unprotected cavities between the door frame and the supporting construction can be easily exploited by fire and if not adequately sealed or protected, can undermine the fire performance of the fire door assembly.

Fire and Acoustic Fire Door Foam is a proprietary fire sealing media which has been specifically formulated to reinstate the fire resistance of cavities and gaps between pedestrian fire door assemblies and supporting constructions, for use in flexible partitions and masonry walls. The product has been extensively tested in accordance for 30 and 60 minutes fire resistance in accordance with BS 476:Part 22:1987 and BS EN 1634-1.

FIELD OF APPLICATION

Fire Door Foam is suitable for use in a wide range of construction and building fire stopping solutions, including:

- Cavity gap filling and perimeter pointing around fire doors
- Timber frames, softwood, hardwood and including MDF
- Up to 60 minutes fire resistance

PRODUCT FEATURES

- Suitable for use in Slim-line framing
- Compatible with plastic packers
- Does not require any additional backing and capping media

PRODUCT DATA

Gap width	Gap depth	Fire Resistance
0-33mm	Minimum frame depth of 70mm – Flexible or Solid Supporting Construction	Up to 60 minutes fire performance

Further information and guidance refer to Assessment Report Number WF385912

TEST DATA INFORMATION

Report Reference	Body	Fire Rating	Door Type	Test Standard
CFR1803082	Cambridge Fire Research	FD30	GRP – Composite doorset	BS 476: Part 20/22: 1987
CFR1803081	Cambridge Fire Research	FD30	Fire rated timber doorset	BS 476: Part 20/22: 1987
CFR1803081	Cambridge Fire Research	FD60	Fire rated timber doorset	BS 476: Part 20/22: 1987
WF389582	Exova	FD60	Fire rated timber doorset	BS EN 1634-1: 2014 & BS EN 1363-1: 2012
WF386228	Exova	FD30	Fire rated timber doorset	BS 476: Part 20/22: 1987
WF384623	Exova	FD60	Fire rated timber doorset	BS EN 1634-1: 2014 & BS EN 1363-1: 2012

INSTALLATION INSTRUCTIONS

1. Surfaces must be firm, clean, free of dust and loose particles. The cavity or voided area to be filled must be well moistened with water, this will aid installation adhesion to the substrate. It may be necessary to use a primer, prior to the application of the foam.
2. Optimum application temperature +10°C > +30°C [+20°C ideal].

3. Cans should not be left in an over-heated environment, temperatures above +50°C or exposed to direct sunlight.
4. Prior to application, ensure that the surrounding area is protected, in particular when using the foam in retrofit applications. It may also be necessary to mask and protect the surrounding area of the cavity, particularly in areas where the compartment may be decorated or furnished.
5. Shake the can for two minutes, until the foam inside becomes liquid. This is essential to ensure the performance of the product. Then attach the adapter or gun to the canister.
6. Fill the cavity from the base of the aperture slowly and build up the layers of the foam, ensuring that the void is filled. Take care not to over-fill the cavity.
7. Allow the foam to cure and using a sharp bladed instrument cut-off the expanded 'cured' foam.
8. Ensure that empty cans are disposed of by reference to local regulations.

PACKAGING INFORMATION

Fire Door Foam is available in:



750ml gun application



750ml hand held application

OTHER INFORMATION

The information contained herein is based upon the present state of our knowledge. Recipients of our products must take responsibility for observing existing laws and regulations.

Due to our policy of continuous improvement, Fire & Acoustic Seals Limited reserves the right to amend specifications without prior notice.

Please scan here or visit www.firedoorfoam.com for the full technical datasheet

