

DATA SHEET

FLEXIFIRE
• IRONMONGERY PROTECTION •



All ironmongery installed on a fire door must be fitted without compromising the integrity of the complete fire door assembly.

FlexiFire is an ultra thin, easy to install, flexible and high performance intumescent material. At 0.8mm thick **Flexifire** offers high levels of expansion and insulation preventing heat transfer on ironmongery rebated into timber doorsets.

FlexiFire is suitable for both 30 and 60 minute applications. Installing it requires minimal rebating, a real advantage in timber doorsets.

FlexiFire is also available in 1mm for **30/60 minute** applications and also in 2mm for **90/120 minute** applications.

Applications

- 0.8mm and 1mm thickness are suitable for both 30 and 60 minute applications
- 2mm thickness suitable for 90 and 120 minute applications
- Fire door ironmongery: letterboxes, door hinges, flush bolts, mortice locks, surface fixed door closers, concealed door closers and door viewers
- Filling joints between fire-resistant doors and frames, windows and the adjacent walls

Features and Benefits

- Safe to handle - contains no fibres or irritants
- From only 0.8mm thick - minimal rebating required
- Very flexible/clean to work with - will bend without cracking
- Easy to cut to shape with household scissors
- Available with or without self-adhesive backing
- Unaffected by moisture, humidity, atmospheric pollution and other common industrial and household chemical substances

Fitting Instructions

FlexiFire intumescent sheet is generally pre-cut to suit the ironmongery application and may also be pre-fitted with a self-adhesive backing. If you are using one of these, simply do the following: If fitted, peel away the release paper on the self-adhesive tape.

Alternatively:

If required, use double sided self-adhesive tape or other adhesive to secure the sheet to the rebated ironmongery. Fit the ironmongery in the usual way screwing through the sheet material if necessary.

Product Range

The Flexifire range has over **100 different** kits currently available, designed to fit the most common fire door ironmongery types.

These kits are specifically designed to suit fire door installers as they are comprehensively tested, easy to fit and safe to handle.

We can also deliver direct to site, across the UK mainland.

Testing

FlexiFire intumescent sheet material has been extensively tested to the latest British and European standards as follows:

- BS 476 part 22: 1987 - 30 and 60 minute rating
- BS EN 1634-1: 2014 – 30 and 60 minute rating

Material Safety Data

Composition/Information on Ingredients

Chemical Nature: Thermoplastic element composition containing intercalated graphite in a synthetic compound with the addition of fillers and process oils. Contained with a rigid outer casing for aesthetic finish, supplied with an acrylic self adhesive backing.

Possible Hazards

Principle hazards: Not subject to decree of hazardous substances.
Critical hazard of Man and Environment: Not Applicable.

First Aid Measures

On skin contact: Not applicable.
On contact with eyes: Not applicable.
On ingestion: Not applicable.
If inhaled: Not applicable in solid state.

Fire Fighting Measures

Suitable Extinguishing Media: Water, foam, powders and dry extinguishing media.
Special Protective Equipment: Suitable forms of PPE (Personal protective equipment).
Avoid inhalation of smoke or fumes.
In the event of a fire, contact the appropriate emergency services for assistance.

Accidental Release Measures

Personal Precaution: In the event of a fire ensure sufficient ventilation.
Environmental Precaution: Do not discharge the product into drains or water courses, ensure materials are disposed of in accordance with Local Authority regulations and/or Government Legislation.
Method for cleaning up: No special measures necessary.

Handling and Storage

Handling: No special requirements.
Storage: Store dry in a cool place (not above 35c).

Exposure Controls and Personal Protection

Respiratory protection: Not applicable.
Hand Protection: Not applicable.
Eye Protection: Not applicable.
Skin Protection: Not applicable.

Physical and Chemical Properties

Form:	Solid
Colour	All colours
Odour:	Acidic
Density	1.3 specific gravity

Stability and Reactivity

Conditions to be avoided: Thermal decomposition above 300c.
Hazardous decomposition Products: Thermal decomposition fumes contain Hydrogen Chloride. However, the activated graphite is effective at removing aromatic particles from smoke emissions.

Toxicological Information

Acute Toxicity: Not applicable in solid state.

Ecological Information

General Advice: Observe the legal provisions regarding the prevention of ground water and surface water as well as air.
Do not discharge products into natural waters without pre-treatment.

Disposal Considerations

Recommendations: Disposal of by special means in accordance with local regulations e.g. suitable deposition.

Transport Information

Transport Hazards: No regulations apply for the transport of this material. Not classified as hazardous for road, rail, sea or air transport.

Regulatory Information

Labelling according to EEC directives:

National Legislation/Regulations	Not applicable
VbF Classifications	None
Water Hazard Class	Not applicable

Additional 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.

Find out more...

- o Full price list or a quote
- o Test evidence
- o Delivery options

Email info@products4firedoors.co.uk we are here to help!

We would always recommend that you check with your fire specification officer or other authority BEFORE purchasing any fire rated product, to ensure that you are buying the correct product for your fire door requirements. The manufacturer's details are available upon request for product specification enquiries.