

Intumescent Fire Seals



Exitex Intumescent door seals are designed to close the gap between the fire door and frame in the event of a fire thereby preventing the spread of smoke and hot gasses.

Exitex high performance Intumescent core contains intercalated graphite which in the event of a fire expands multi-directionally up to 10-15 times its original size sealing the gap and holding the fire door in place.

Exitex combined Intumescent fire and smoke seal provides additional cold smoke protection sealing off the gap around the door and providing a permanent seal to the passage of smoke.

Product Data

Field of Application

- Rebates in timber door leaves or door frames
- Approved for use single and double action leaf doors
- Can be used on latched and unlatched doors
- New build and retrofit applications

Features and Benefits

- Rapid high-pressure multi-directional expansion
- Mineral based: safe to handle, containing no fibrous material or harmful chemicals
- Uneffected by moisture, humidity, atmospheric pollution and other common industrial and household chemical substances
- Laboratory ageing tests indicate a life expectancy in excess of 100 years
- Supplied with a self-adhesive backing for ease of application
- Identification on each product ensures full traceability

Fitting Instructions

IMPORTANT - You must fit the correct size intumescent seal as per the door manufacturer's instructions.

- Route a rebate to suit the seal size
- Clean the rebate to ensure it is free from dust and debris
- Measure and cut the seal using a hacksaw or blade
- Ensure that the seal does not stand proud of either the frame or the door
- Remove the self-adhesive backing and press home the seal firmly

Lengths

Our standard lengths are 2100mm and 1050mm but we are able to manufacture seals to clients specific lengths.

Colours

Exitex standard range of colours are shown below.



We are also able to manufacture seals to any RAL colour please enquire for further details. Please note: Colours shown are for guidance only and not for colour matching.

Smoke & Acoustic Seals

Exitex smoke seals are manufactured from high quality polypropylene for exceptional durability and resistance to abrasion.

Our standard brush pile colour is black.

The standard brush pile height is 6mm but higher pile heights are available. Please note that higher brush pile heights may invalidate test evidence.

Single & Twin Flipper smoke & acoustic seals are co-extruded PVC.

Testing

Exitex Intumescent seals have been extensively tested to the latest British standards and have achieved Certifire approval assessed against the requirements of the technical schedules TS35 & TS21.

BS 46 part 22: 1987

BS EN 1634-1

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: wash thoroughly with soap and water. **On contact with eyes:** Wash for at least 15 minutes under running water with eyelids held open, consult an eye specialist. **On ingestion:** Rinse mouth immediately, do not induce vomiting, and seek medical attention. **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 material 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. Keep away from food and drink.

Storage: Store dry in a cool place (not above 35c) Keep out of reach of children. Take care for sufficient ventilation.

Exposure Controls and Personal Protection

Respiratory protection: None normally required when supplied in solid form

Hand Protection: Appropriate protective gloves.

Eye Protection: Appropriate protective goggles.

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's 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

Skin Protection: None normally required

Additional Information

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