

QUICK VIEW	Application:	Fire resisting doorset
	Fire resistance period:	30 to 120 minutes
	Insulation/integrity:	Integrity
	Test standard:	BS 476: Part 22: 1987
	Approval type:	Certifire CF355

Fire Door Seals – Flexible

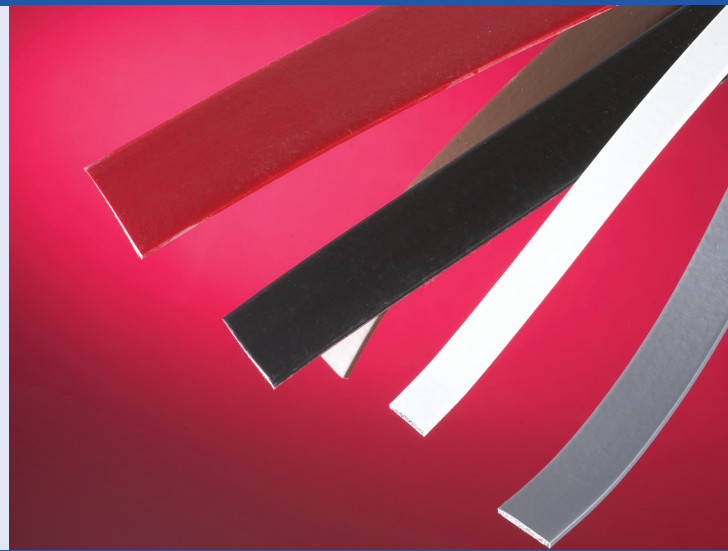
Pyroplex® Flexible Door Seals provide a permanent seal for fire rated timber and metal door edges and frames. They are suitable for rebates in timber door leaves or frames or the surface of metal door leaves or frames.

Pyroplex® Flexible Door Seals are ideal for new build and retro-fit applications. They are supplied with a coloured polymer cover in a continuous coil to minimise wastage and are quick and easy to fit as no special tools are required. They are supplied with a high grade acrylic self-adhesive tape backing for ease of application.

Pyroplex® Flexible Door Seals are tested to BS 476: Part 22: 1987 and other international standards and are compliant with the requirements given in Certifire TS35.

Certifire Certificate No. CF355.

Product Data



Product profile



Flexible

N.B. All seals have an adhesive strip

Field of application

Pyroplex® Flexible Door Seals have been specifically designed for use in the following applications:

- Surface mounted applications.
- For use single and double action leaf doors.
- Insulated and non-insulated steel doors and frame.
- New build and retro-fit applications.

Product features

- Pyroplex® intumescent material is high-pressure and multi-directional.
- Supplied with a high grade self-adhesive backing for ease of application and installation.
- Supplied on continuous reels for dispensing applications.
- Requires no additional coatings to extend its long-term durability.
- Identification on each product ensures full traceability.
- Quick and easy to fit with no special tools required.
- Pyroplex® intumescent material is totally unaffected by water, robust, 'non-flaking' and difficult to tear.
- Polymer cover enhances appearance and is available in six standard colours – brown, white, black, grey, red and cream.

Product data

Part no.	Profile size [mm]	Metres on coil	Indicative fire resistance
8979	10 x 2.5	150m	30 mins
8989	10 x 4.0	150m	30 mins
8980	15 x 2.5	150m	30 mins
8981	20 x 2.5	100m	60 mins
8988	25 x 2.5	100m	60 mins
8986	30 x 2.5	75m	60-90 mins
8983	40 x 2.5	50m	90-120 mins

Installation instructions

1. Clean the substrate to remove surface oils, failure to remove surface greases may result in a delamination or poor adhesion to the substrate.
2. Remove the self-adhesive backing liner from the intumescent and apply the product to the substrate.
3. To achieve excellent adhesion seals must be applied to clean, dry surfaces at temperatures between +5°C and +40°C.

Quality approval

Pyroplex Limited has a Quality Management System that meets the requirements of ISO 9001:2008, and is independently verified by BSI Quality Assurance under Certificate No. FM10371. Copies of this approval are available on request.

Other information

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

Due to our policy of continuous improvement Pyroplex Limited reserves the right to amend specifications without prior notice.

Technical Data

Product testing

The Pyroplex® range of Flexible Seals have been extensively tested in the UK, Europe and worldwide, to national and international standards. Tested to BS 476 Part 22: 1987 and other international standards. Compliant with the requirements given in Certifire TS35 – Certificate No. CF355.

Technical data

Chemical composition: The active element is high-pressure forming, multi-directional expandable graphite contained within a high performance durable polymer.

Adhesive performance: Adhesive type: High performance modified acrylic.

Thickness: 205 microns.

Temperature resistance: +200°C short term, +100°C long term.

Tensile strength: >30N/15mm.

Elongation: 50%.

Humidity resistance: Very good.

Solvent resistance: Very good.

Ageing resistance: Very good.

Application temperature: To be confirmed.

Life cycle: 10 years, providing the seal is installed in accordance with the requirements given in this guidance notes.

Maintenance and installation records

As this product is not subject to routine and replacement programmes, Pyroplex Limited recommend that all firestopping materials are checked on a regular basis to ensure that the product remains integral. Replace and fit any damaged components to reinstate the fire resistance of the timber door set.

Product guarantee and traceability

Providing the product is installed in accordance with the requirements of the guidance document the product is guaranteed for a period of 10 years. All Pyroplex® products are identified with a unique reference number for traceability purposes.

Technical support and guidance

Should you require any further information regarding this product please contact Pyroplex Limited or visit our website, www.pyroplex.com

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. Encapsulated in an elastomeric polymer for aesthetic finish. Supplied with an acrylic self-adhesive backing.

Possible hazards

Principle hazards: Not subject to decree of hazardous substances.

Critical hazard to 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.

Fire fighting measures

Pyroplex® intumescent material is self-extinguishing.

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 fire, contact the appropriate emergency services for assistance.

Accidental release measures

Personal precaution: Not applicable.

Environmental precaution: Not applicable.

Methods for cleaning up: No special measures necessary.

Handling and storage

Handling: No special requirements.

Storage: Store in a cool, dry place [not above +35°C] and ensure sufficient ventilation.

Exposure controls and personal protection

Respiratory protection: None normally required.

Hand protection: Not applicable.

Eye protection: Not applicable.

Skin protection: Not applicable.

Physical and chemical properties

Intumescent element	Solid
Colour	All colours
Odour	Acidic

Stability and reactivity

Conditions to be avoided: Thermal decomposition above +300°C.

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 product into natural waters without pre-treatment.

Disposal considerations

Recommendations: Disposal by 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