

QUICK VIEW	Application:	Fire Resisting Doorset
	Fire Resistance Period:	30 to 120 minutes
	Insulation/Integrity:	Integrity
	Test Standard:	BS476: Part 22 1987
	Approval Type:	Certifire CF355

Fire Door Seals - Flexible

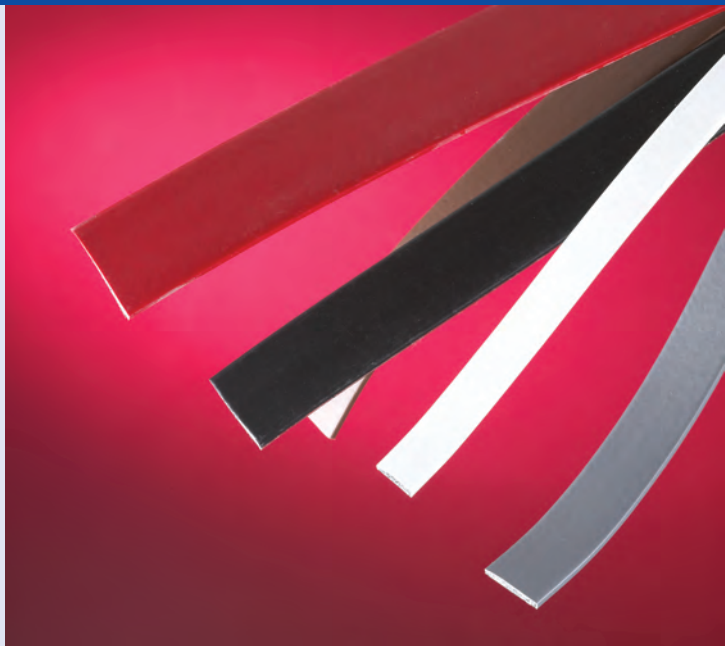
Product Data Sheet

Pyroplex® Flexible 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 Seals are ideal for new build and retrofit 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 an acrylic self adhesive tape backing to make application as easy as possible.

Pyroplex® Flexible Seals are tested to BS476 Part 22:1987 and other International Standards and are compliant with the requirements given in CERTIFIRE TS35.

CERTIFIRE Certificate No. CF355.



Product Profiles



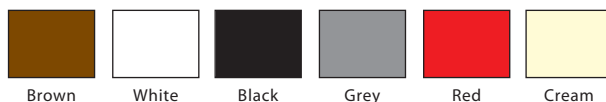
Field of Application

Pyroplex® Flexible 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 retrofit applications.

Product Features

- 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 high-pressure and multi directional.
- Intumescent material is totally unaffected by water, robust, 'non-flaking' and difficult to tear.
- Polymer cover enhances appearance and is available in 6 standard colours - brown, white, black, grey, red and cream.



Product Data

Profile size	Part No	Metres on coil	Indicative fire resistance
10 x 2.5	8979	250m	30 mins
15 x 2.5	8980	200m	30 mins
20 x 2.5	8981	150m	60 mins
25 x 2.5	8988	100m	60 mins
30 x 2.5	8986	75m	60-90 mins
40 x 2.5	8983	50m	90-120 mins

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 BS476 Part 22:1987 and other International Standards. Compliant with the requirements given in CERTIFIRE TS35 - Certificate No. CF355.

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 liner from the intumescent and apply to 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.

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Fire Door Seals - Flexible Seals

Product Data Sheet

Health and Safety Information

For detailed information on this product please refer to the relevant Material Safety Data Sheet which is available on request or downloadable at www.pyroplex.com.

Transportation & Storage

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

Storage: Store in a cool, dry place (not above 35°C) and ensure sufficient ventilation.

Product Guarantee

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.

Quality Approval

Pyroplex® Limited has a Quality Management System that meets the requirements of BS EN ISO 9001:2000, and is independently verified by BSI Quality Assurance under Certificate.

Additional 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 Support and Guidance

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

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Fire Door Seals - Flexible

Technical Data Sheet

Issue Date:	1st January 2008	Issue No.	1	Revision No.	1
		No. of Pages	1	Page No.	1 of 1

General Description

Pyroplex® intumescent strip provides a permanent fire resistant seal for steel and timber door assemblies.

Product Features

- Supplied with a high performance 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.
- Polymer cover enhances appearance and is available in 6 standard colours - brown, white, black, grey, red and cream.
- Identification on each product ensures full traceability.
- Quick and easy to fit with no special tools required.
- Pyroplex® material is a high-pressure, multi directional forming intumescent.
- Intumescent material is totally unaffected by water, robust, 'non-flaking' and difficult to tear.

Field of Application

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

Product Information

Profile size	Part No	Metres on coil	Indicative fire resistance
10 x 2.5	8979	250m	30 mins
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30 x 2.5	8986	75m	60-90 mins
40 x 2.5	8983	50m	90-120 mins

Test Evidence

The Pyroplex® range of flexible seals have been extensively tested in the UK, Europe and worldwide, to national and international standards.

Tested to BS476 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: Modified Acrylic

Thickness: 205 microns

Coat weight: XXXX

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® 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 & 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.

Quality Approval

Pyroplex® Limited has a Quality Management System that meets the requirements of BS EN ISO 9001:2000, and is independently verified by BSI Quality Assurance under Certificate Number FM10371. Copies of this approval are available on request.

Technical Support and Guidance

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

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Material Safety Data Sheet

Issue Date:	1st October 2007	Issue No.	1	Revision No.	1
In accordance with 91/155/EEC directive		No. of Pages	1	Page No.	1 of 1

Field of Application

Intumescent Strip for fire rated door applications.

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: 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 immediate medical attention.
If inhaled: Not applicable in solid state.

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: In the event of 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.
Methods for Cleaning Up: No special measures necessary.

Handling and Storage

Handling: No special requirements. Keep away from food and drink.
Storage: Store in a cool dry place (not above 35°C). 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.
Skin protection: None normally required.

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 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.

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.

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