

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 - Hard

Product Data Sheet

Pyroplex® Hard Seals provide a permanent seal for fire rated timber and metal door edges and frames. They are suitable for rebates in timber door leafs or frames or the surface of metal door leafs or frames in single and double action, single or double doors. Pyroplex® Hard Seals are ideal for new build and retro-fit applications.

Pyroplex® Hard Seals are supplied in 2.1m lengths as standard 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.

All Pyroplex® Hard Seals are tested to BS476 Part 22:1987 and other International standards.

CERTIFIRE Certificate No. CF355



Product Profiles



8507 - 10mm x 2.5mm



8490 - 15mm x 2.5mm



8508 - 20mm x 2.5mm

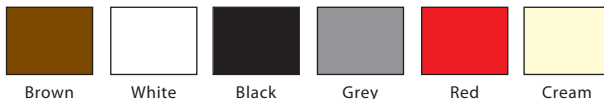
Field of Application

Pyroplex® hard seals have been specifically designed for use in the following applications:

- Rebates in timber door leaf or frame in single and double action, single or double doors.
- Surface of metal doors leaf or frame.
- New build and retro-fit applications.

Product Features

- Provided with rigid box outer casing for added durability.
- Supplied with a self-adhesive backing for ease of application.
- Available in 2.1m cut lengths. As standard.
- Identification on each product ensures full traceability.
- Pyroplex® intumescent is a high-pressure, multi directional forming material.
- Available in 6 standard colours.



Product Data

Profile Size (mm)	Part Number	Indicative Fire Resistance	
		Timber	Metal
10 x 2.5	8507	30 mins	60 mins
15 x 2.5	8490	45 mins	90 mins
20 x 2.5	8508	60 mins	120 mins

* Fire Resisting Period - for guidance only.

Product Testing

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

Installation Instructions

1. Select the appropriate seal using the door test evidence, which will identify the size intumescent seal required.
2. Route a groove suitable for the size of intumescent seal selected. Clean the rebate to remove any dust. Remove the release liner from the product and push fit into the routed groove.
3. To achieve excellent adhesion seals must be applied to clean, dry surfaces at temperatures between +5°C and +40°C.

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

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Product Data Sheet

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 it 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.

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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Technical Data Sheet

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

General Description

Pyroplex® Hard Seals provide a permanent seal for fire rated timber and metal door edges and frames. They are suitable for rebates in timber door leafs or frames or the surface of metal door leafs or frames in single and double action, single or double doors. Pyroplex® Hard Seals are ideal for new build and retro-fit applications.

Product Features

- Provided with rigid box outer casing for added durability.
- Supplied with a self-adhesive backing for ease of application.
- Available in 2.1m cut lengths.
- Identification on each product ensures full traceability.
- Pyroplex® intumescent is a high-pressure, multi directional forming material.
- Available in 6 standard colours.

Field of Application

- Rebates in timber door leaf or frame in single and double action, single or double doors.
- Surface of metal doors leaf or frame.
- New build and retro-fit applications.

Product Information

Profile Size (mm)	Part Number	Used on fire doors rated at	
		Timber	Metal
10 x 2.5	8507	30 mins	60 mins
15 x 2.5	8490	45 mins	90 mins
20 x 2.5	8508	60 mins	120 mins

Test Evidence

The Pyroplex® range of hard seals have been extensively tested in the UK, Europe, worldwide, to National and International standards.

Technical Data

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

Adhesive Type: High performance modified acrylic

Thickness: 205 microns

Temperature resistance: 200°C Short term, 100°C Long term

Tensile strength: >30N/15mm

Humidity resistance: Very Good

Solvent resistance: Very Good

Ageing resistance: Very Good

Application temperature: To be confirmed.

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.

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.

Product Traceability

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Quality Approvals

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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

For use on fire rated doorsets.

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 outercasing for aesthetic finish, supplied with 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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