

QUICK VIEW	Application:	Fire Resisting Timber Doorset
	Fire Resistance Period:	30 to 60 minutes
	Insulation/Integrity:	Integrity
	Test Standard:	BS476: Part 22 1987
	Approval Type:	CERTIFIRE CF355

Fire Door Seals - Rigid Box

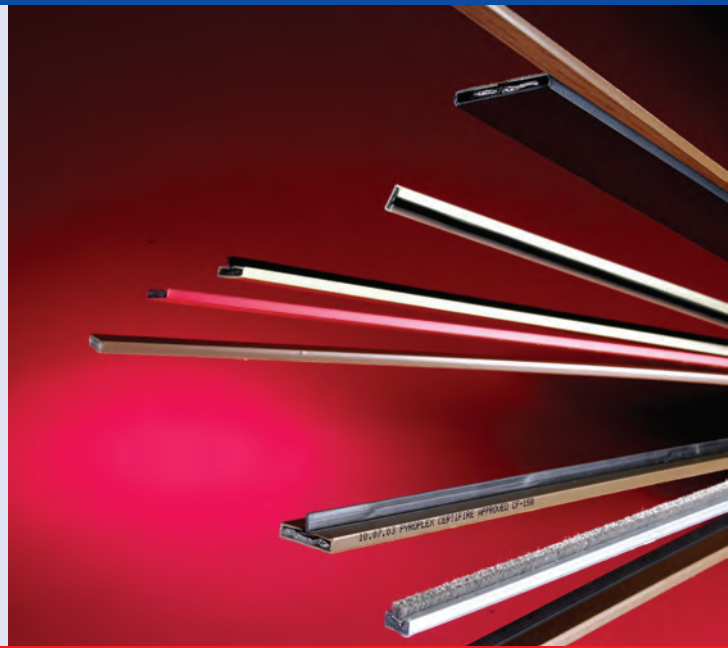
The Pyroplex® range of Rigid Box Seals provide the traditional seal for fire rated timber door edges and frames. They are suitable for rebates in timber door leaves or frames in single and double action, single or double doors. Pyroplex® Rigid Box Seals are ideal for new build and retro-fit applications.

Pyroplex® Rigid Box 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 easy.

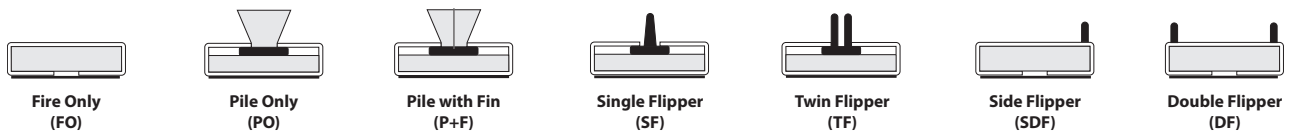
Pyroplex® seals are tested to BS476 Part 22:1987 and other International standards and are compliant with the requirements given in CERTIFIRE TS35.

CERTIFIRE Certificate No. CF355.

Product Data Sheet



Product Profiles



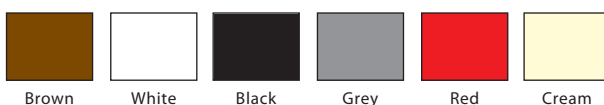
Field of Application

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

- Rebates in timber door leaves or door frames.
- Use on single and double action leaf doors.
- Use on latched and unlatched doors.
- New build and retrofit applications.

Product Features

- Reduce closing forces by design.
- 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.
- Intumescent material is high-pressure and multi directional.
- Fire & Smoke and Flipper ranges are high performance seals which reduce smoke, acoustic and air infiltration.
- Available in 6 standard colours - brown, white, black, grey, red and cream.



Product Data

Size	FO	PO	P+F	SF	TF	SDF	DF	Fire Res.
10 x 4	8500	8512	8510	8524	8523	8923	30102	30 mins
15 x 4	8700	8712	8710	8724	8723	8924	30103	30 mins
20 x 4	8600	8612	8610	8624	8623	8925	30104	60 mins
25 x 4	8800	8812	8810					60 mins
30 x 4	30094	3009412	3009410					60 mins
38 x 4	30076	3007612	3007610					60> mins

FO - Fire Only, PO - Pile Only, P+F - Pile with Fin, SF - Single Flipper, TF - Twin Flipper, SDF - Side Flipper, DF - Double Flipper

Product Testing

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

Test Reports & International Standards	
BS476: Parts 22 1987	CERTIFIRE TS35 and TS21
BS476: Part 23: 1987	UL10C
BS476: Part 31.1:1987	Cycle tested to TS35 and TS21
EN 1634-1 and 3	ISO140-3:1995

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Typical Configurations



Single Action, Single Leaf



Single Action, Double Leaf



Double Action, Double Leaf

Installation Instructions

1. Select the appropriate seal using the door test evidence, which will identify the size intumescent seal required.
2. If the sealing system is not identified Pyroplex would recommend the installation of a 15mm x 4mm seal for 30 minutes or a 20mm x 4mm seal for 60 minutes.
3. The seal needs to be located centrally in either the door leaf or frame.
4. 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.
5. 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.

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 & Traceability

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

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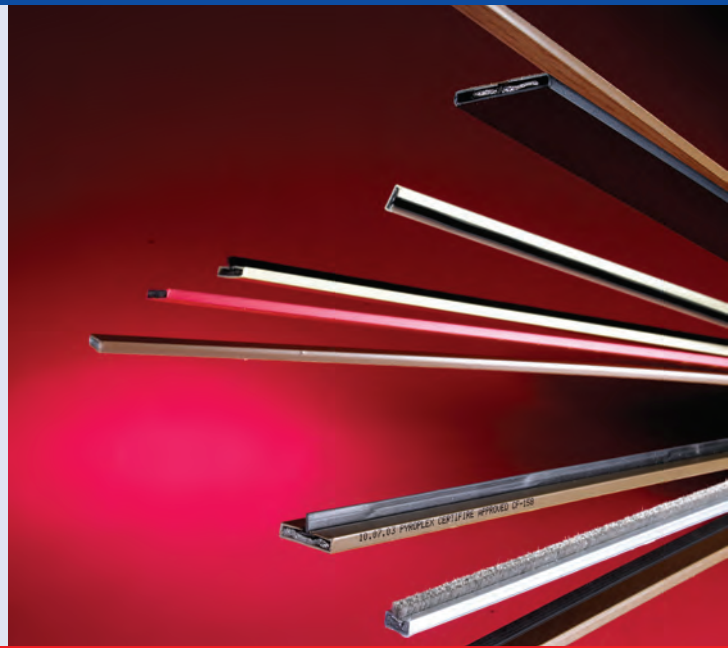
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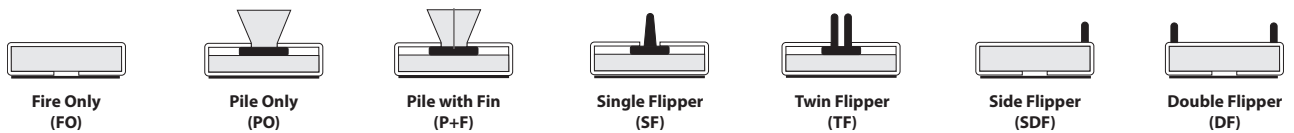
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Product Profiles



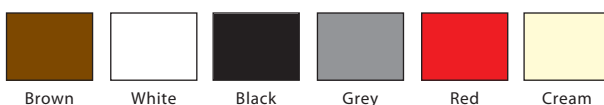
Field of Application

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

- Rebates in timber door leaves or door frames.
- Use on single and double action leaf doors.
- Use on latched and unlatched doors.
- New build and retrofit applications.

Product Features

- Reduce closing forces by design.
- 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.
- Intumescent material is high-pressure and multi directional.
- Fire & Smoke and Flipper ranges are high performance seals which reduce smoke, acoustic and air infiltration.
- Available in 6 standard colours - brown, white, black, grey, red and cream.



Product Data

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25 x 4	8800	8812	8810					60 mins
30 x 4	30094	3009412	3009410					60 mins
38 x 4	30076	3007612	3007610					60> mins

FO - Fire Only, PO - Pile Only, P+F - Pile with Fin, SF - Single Flipper, TF - Twin Flipper, SDF - Side Flipper, DF - Dual Flipper

Product Testing

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

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Fire Door Seals - Rigid Box

Technical Data Sheet

Issue Date:	1st January 2008	Issue No.	1	Revision No.	1
		No. of Pages	2	Page No.	1 of 2

General Description

The Pyroplex[®] range of Rigid Box Seals provide the traditional seal for fire rated timber door edges and frames. They are suitable for rebates in timber door leafs or frames in single and double action, single or double doors. Pyroplex[®] Rigid Box Seals are ideal for new build and retro-fit applications.

Product Features

- Reduce closing forces by design.
- 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.
- Intumescent material is high-pressure and multi directional.
- Fire & Smoke and Flipper ranges are high performance seals which reduce smoke, acoustic and air infiltration.
- Available in 6 standard colours - brown, white, black, grey, red and cream.

Field of Application

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

Product Information

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25 x 4	8800	8812	8810					60 mins
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38 x 4	30076	3007612	3007610					60> mins

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Packaging Information - Tubes

Size	FO	PO	P+F	SF	TF	SDF	DF
10 x 4	125 x 2.1	75 x 2.1	75 x 2.1	50 x 2.1	50 x 2.1	50 x 2.1	50 x 2.1
15 x 5	75 x 2.1	50 x 2.1	50 x 2.1	50 x 2.1	50 x 2.1	50 x 2.1	50 x 2.1
20 x 4	50 x 2.1	35 x 2.1	35 x 2.1	35 x 2.1	35 x 2.1	35 x 2.1	35 x 2.1
25 x 4	35 x 2.1	25 x 2.1	25 x 2.1				
30 x 4	20 x 2.1	20 x 2.1	20 x 2.1				
38 x 4	50 x 2.1	T.B.C	30 x 2.1				

FO - Fire Only, PO - Pile Only, P+F - Pile with Fin, SF - Single Flipper, TF - Twin Flipper, SDF - Side Flipper, DF - Double Flipper

Test Evidence

The Pyroplex[®] range of Rigid Box Seals have been extensively tested in the UK, Europe, worldwide, to National and International standards.

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Technical Data

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

Outer container: 0.5mm PVC-u outer casing, which has a proven performance in terms of durability, along with a high performance acrylic adhesive to aid installation.

Smoke sealing performance: Smoke seals meet the requirements of Approved Document B for ambient smoke control.

Acoustic performance: The Pyroplex[®] range of fire and smoke and flipper seals have been extensively and achieve a minimum performance of Rd32dB which exceed the minimum requirements specified in Approved Document E.

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

Installation Instructions

1. Select the appropriate seal using the door test evidence, which will identify the size intumescent seal required.
2. If the sealing system is not identified Pyroplex would recommend the installation of a 15mm x 4mm seal for 30 minutes or a 20mm x 4mm seal for 60 minutes.
3. The seal needs to be located centrally in either the door leaf or frame.
4. 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.
5. To achieve excellent adhesion seals must be applied to clean, dry surfaces at temperatures between +5°C and +40°C.

Material Safety Data Sheets

For full details refer to separate Material Safety Data Sheet.

Maintenance and Installation Records

This product is not subject to routine and replacement programmes, Pyroplex[®] recommend that all firestopping materials are checked regularly to ensure that the product remains integral. Replace and fit any damaged components to reinstate the fire resistance or smoke sealing performance.

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Technical Data Sheet

Issue Date:	1st January 2008	Issue No.	1	Revision No.	1
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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

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Additional Information

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Technical Support and Guidance

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Material Safety Data Sheet

Issue Date:	1st January 2008	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

- 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.

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 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

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