

Application:	Fire resisting timber doorset
Fire resistance period:	30 to 60 minutes
Insulation/integrity:	Integrity and insulation
Test standard:	BS 476: Part 20/22, BS 476: Part 31.1, BS EN 1634-1, BS EN 1634-3, BS EN ISO 10140-2
Approval type:	Certifire CF355

Timber Door Fire Seals with Pile – Fire, Smoke & Acoustic Pile Range



PRODUCT PROFILES:



Pile only



Pile with fin

Pyroplex[®] Pile range of Rigid Box Seals provide a traditional fire, smoke and acoustic seal for fire rated timber door edges and frames. The range includes a selection of sizes including the wider, more traditional solutions. They are suitable for rebates in single and double action, single or double doors. Pyroplex[®] Rigid Box Seals are ideal for new build applications.

Pyroplex[®] Pile range of Rigid Box Seals are supplied in 2.1m lengths as standard, and are quick and easy to fit with no special tools required. The Pile range provides fire, smoke and acoustic seals which have been tested to BS 476: Part 20/22, BS 476: Part 31.1, BS EN 1634-1, BS EN 1634-3 and BS EN ISO 10140-2. Compliant with CERTIFIRE technical schedule TS35 and TS21.

Certifire Certificate No. CF355 (Available on our website to download at www.pyroplex.com)

FIELD OF APPLICATION

Pyroplex[®] Pile range of Rigid Box Seals have been specifically designed for use in the following applications:

- Rebates in timber door leafs or door frames
- Use on single and double action leaf doors
- Use on latched and unlatched doors
- New build and retro-fit applications
- Durability performance in accordance with Certifire Technical Schedules as outlined in CF355

PRODUCT FEATURES

- 30 and 60 minute systems available
- Provided with rigid box outer for added durability
- Supplied with a self-adhesive backer for ease of application
- Cut to 2.1m as standard
- Identification on each product ensures full traceability
- Available in a range of colours - Black, White, Brown, Grey, Red and Cream

PRODUCT DATA

	Profile dimensions [mm]	Part no.	Fire resistance		Smoke performance	Acoustic performance
			30 minute	60 minute		
Pile only	10x4		✓	-	✓	✓
	15x4		✓	-	✓	✓
	20x4		-	✓	✓	✓
	25x4		-	✓	✓	✓
	30x4		-	✓	✓	✓
	38x4		-	✓	✓	✓
Pile with fin	10x4		✓	-	✓	✓
	15x4		✓	-	✓	✓
	20x4		-	✓	✓	✓
	25x4		-	✓	✓	✓
	30x4		-	✓	✓	✓
	38x4		-	✓	✓	✓

✓ = primary test evidence available.

INSTALLATION INSTRUCTIONS

1. Select the appropriate seal using the door test evidence, to identify the size of intumescent seal required.
2. The seal needs to be located centrally in either the door leaf or frame.
3. Route a groove suitable for the size of intumescent seal selected. Clean the rebate to remove any dust. Remove the self-adhesive backing liner from the product and push fit into the routed groove.
4. To achieve excellent adhesion, seals must be applied to clean, dry surfaces at temperatures between +5°C and +40°C.

QUALITY APPROVAL

Pyroplex Limited have a Quality Management System that meets the requirements of ISO 9001 and an Environmental Management System that meets the requirements of ISO 14001, both are independently verified by BSI Quality Assurance under Certificate Numbers FM 10371 and EMS 637894. Copies of these certificates are available on our website to download at www.pyroplex.com.

OTHER INFORMATION

The information contained herein is based upon the present state of our knowledge. Recipients of 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® Pile range of Rigid Box Seals have been extensively tested in the UK, Europe and worldwide, to national and international standards. Compliant with the requirements given in Certifire TS35 and TS21 – Certifire No. CF355

Test reports and international standards	
BS 476: Part 20/22	BS EN ISO 10140-2
BS 476: Part 31.1	Certifire TS35 and TS21
BS EN 1634-1	UL10C
BS EN 1634-3	

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.

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. The graphite is encapsulated in an elastomeric polymer for aesthetic finish and has an inserted woven pile. 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.

Life cycle: 10 years, providing the seal is installed in accordance with the requirements given in these 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 regularly to ensure that the product remains integral. Replace and fit any damaged components to reinstate the fire resistance or smoke sealing performance.

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

Eye protection: Not applicable.

Skin protection: Not applicable.

PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Colour	Black
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/regulation	Not applicable
VbF classifications	None
Water hazard class	Not applicable