

DATASHEET:

Application:	Fire resisting timber doorset
Fire resistance period:	30 to 60 minutes
Insulation/integrity:	Integrity and insulation
Test standard:	BS 476: EN 1634
Approval type:	Certifire CF355



PRODUCT PROFILES:



Pile only



Pile with fin

Rigid Box Seals – Pile Range



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 22, BS EN 1634-3: 2004 and BS EN ISO 10140-2: 2010.

Certifire Certificate No. CF355.

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.

PRODUCT FEATURES

- 30, 60 and 90 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	8512	✓	-	✓	✓
	15x4	8712	✓	-	✓	✓
	20x4	8612	-	✓	✓	✓
	25x4	8812	-	✓	✓	✓
	30x4	3009412	-	✓	✓	✓
	38x4	3007612	-	✓	✓	✓
Pile with fin	10x4	8510	✓	-	-	-
	15x4	8710	✓	-	-	-
	20x4	8610	-	✓	-	-
	25x4	8810	-	✓	-	-
	30x4	3009410	-	✓	-	-
	38x4	3007610	-	✓	-	-

✓ = primary test evidence available.

INSTALLATION INSTRUCTIONS

1. Select the appropriate seal using the door test evidence, which will identify the size 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. 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.
5. To achieve excellent adhesion seals must be applied to clean, dry surfaces at temperatures between +5°C and +40°C.

PACKAGING INFORMATION

	Profile dimensions [mm]	Pack contents
Pile only	10x4	75 x 2.1m
	15x4	50 x 2.1m
	20x4	35 x 2.1m
	25x4	25 x 2.1m
	30x4	20 x 2.1m
	38x4	15 x 2.1m
Pile with fin	10x4	75 x 2.1m
	15x4	50 x 2.1m
	20x4	35 x 2.1m
	25x4	25 x 2.1m
	30x4	20 x 2.1m
	38x4	15 x 2.1m

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. FMI0371. 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 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: Parts 22: 1987	Certifire TS35 and TS21
BS 476: Part 23: 1987	UL10C
BS EN 1634-3: 2004	

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.

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

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 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.

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

Hand protection: Not applicable.

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