

QUICK VIEW	Application:	Fire resisting doorset
	Fire Resistance period:	90 minutes
	Insulation/integrity:	Integrity
	Test standard:	BS 476: Part 22: 1987

## FD90 90 Minute Fire Door Seal System

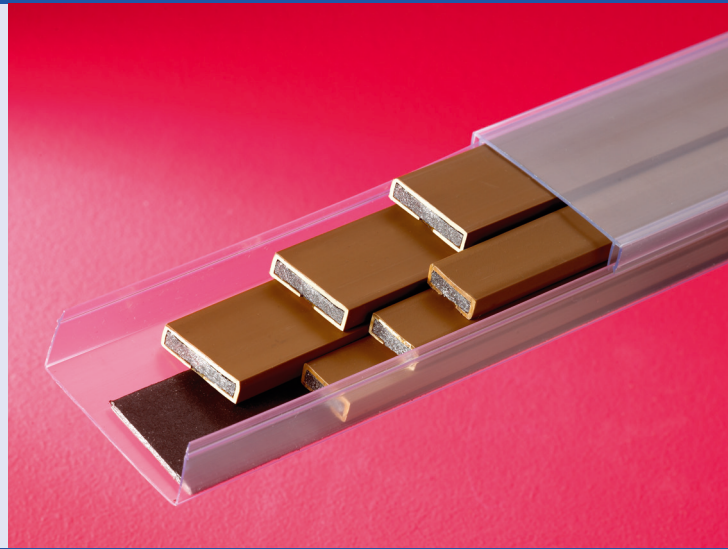
## Product Data

Pyroplex<sup>®</sup> FD90 90 Minute Fire Resistant Door Seal System offers a high performance intumescent sealing solution for 90 minute fire doors.

Pyroplex<sup>®</sup> FD90 System has been designed for use in fire rated timber door edges and frames. The system is suitable for use in single action, single leaf, fire resistant pedestrian doorset assemblies that require 90 minute fire resistance. Pyroplex<sup>®</sup> FD90 System is ideal for use within both new build and retro-fit applications.

Pyroplex<sup>®</sup> FD90 System is a three-part component system that comprises of; 3 x Rigid Box Seals [15 x 6mm], 3 x Rigid Box Seals [25 x 6mm], and 1 x Strip [30 x 2mm].

Pyroplex<sup>®</sup> FD90 System has been tested to BS 476: Part 22: 1987.



### Pack contents



**Quantity:**  
2 x 2100mm length  
1 x 1150mm length



**Quantity:**  
2 x 2100mm length  
1 x 1150mm length



**Quantity:**  
1 x 1150mm length

### Field of application

The Pyroplex<sup>®</sup> FD90 System has been specifically designed for use in the following applications:

- For use on 90 minute timber fire resisting door assemblies.
- In single action, single leaf, fire resistant pedestrian doorset assemblies.
- Safety access and egress routes.
- Cross corridor situations requiring 90 minute fire resistance.

### Product features

- Supplied in a kit configuration.
- Identification on each product ensures full traceability.
- Supplied with self-adhesive backing for ease of application.
- Provided with rigid box outer casing for added durability.
- Pyroplex<sup>®</sup> intumescent material is high-pressure and multi-directional.

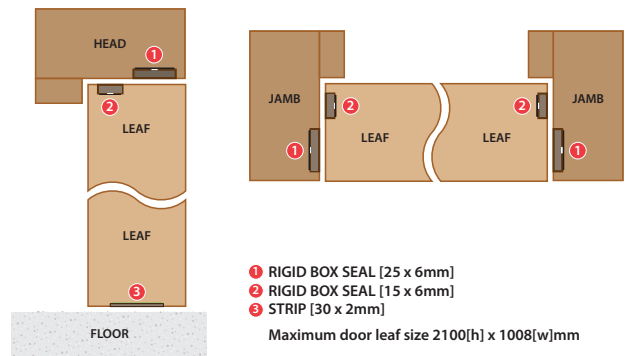
### Product data

Part no.	Contents of each kit	Packaging
FD90	2 x Rigid Box Seals [15 x 6 x 2100mm]	10 kits per box
	1 x Rigid Box Seal [15 x 6 x 1150mm]	
	2 x Rigid Box Seals [25 x 6 x 2100mm]	
	1 x Rigid Box Seal [25 x 6 x 1150mm]	
	1 x Strip [30 x 2 x 1150mm]	

### Installation instructions

1. Select the appropriate seal using the door test evidence. Refer to Chiltern Assessment Report No. Chilt/A10151 and illustration opposite.
2. Clean the substrate to remove surface oils, failure to remove surface greases may result in a delamination or poor adhesion to the substrate.

3. Remove the release 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 has a Quality Management System that meets the requirements of ISO 9001:2008, and is independently verified by BSI Quality Assurance under Certificate No. FM10371. 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<sup>®</sup> 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® FD90 System has been extensively tested in the UK to BS476 Part 22: 1987 in relation to fire resistance. Chiltern Assessment Report No. Chilt/A10151 is available on request.

### 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 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.

### 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.

### Technical support and guidance

Should you require any further information regarding this product please contact Pyroplex Limited or visit our website, [www.pyroplex.com](http://www.pyroplex.com)

## 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.

### 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.

**Eye protection:** Not applicable.

**Skin protection:** Not applicable.

### Physical and chemical properties

<b>Intumescent element</b>	Solid
<b>Colour</b>	Black
<b>Odour</b>	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.

### 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