

Application:	Fire resisting timber doorset
Fire resistance period:	30 to 60 minutes
Insulation/integrity:	Integrity
Test standard:	BS 476: Part 22
Approval type:	Certifire CF355

Flexible Seals – Fire Only

PRODUCT PROFILES:



Flexible
N.B All seals have an
adhesive strip

Pyroplex® Flexible 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. Pyroplex® Flexible Seals are ideal for new build and retro-fit applications. They are supplied with a coloured polymer cover in a continuous coil to minimise wastage and are quick and easy to fit as no special tools are required. They are supplied with a high grade acrylic self-adhesive tape backing for ease of application.

Pyroplex® Flexible Seals are tested to BS 476: Part 22 and other international standards and are compliant with the requirements given in Certifire TS35.

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

FIELD OF APPLICATION

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

- Surface mounted applications
- For use in single and double action timber doors
- For use in composite doors
- Insulated and non-insulated steel doors and frame
- New build and retro-fit applications

PRODUCT FEATURES

- Pyroplex® intumescent material is high-pressure forming and multi-directional
- Supplied with a high grade self-adhesive backing for ease of application and installation
- Supplied on continuous reels for dispensing applications
- Requires no additional coatings to extend its long-term durability
- Quick and easy to fit with no special tools required
- Pyroplex® intumescent material is totally unaffected by water, robust, 'non-flaking' and difficult to tear
- Polymer cover enhances appearance and is available in six standard colours – Black, White, Brown, Grey, Red and Cream

PRODUCT DATA

Part No.	Profile Dimensions [W x D mm]	Metres on Coil	Indicative Fire Resistance	
			30 Min.	60 Min.
8979	10 x 2.5	150m	✓	–
8989	10 x 4.0	150m	✓	–
8980	15 x 2.5	150m	✓	–
30020	15 x 4.0	100m	✓	–
8981	20 x 2.5	100m	–	✓
30112	20 x 4.0	75m	–	✓
8988	25 x 2.5	100m	–	✓
8986	30 x 2.5	75m	–	✓
8983	40 x 2.5	50m	–	–
30147	40 x 4.0	50 x 2.1m lengths	–	–

✓ = primary test evidence available.

INSTALLATION INSTRUCTIONS

1. Clean the substrate to remove surface oils, failure to remove surface greases may result in delamination or poor adhesion to the substrate.
2. Remove the self-adhesive backing liner from the intumescent and apply the product to the substrate.
3. 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® range of Flexible Seals have been extensively tested in the UK, Europe and worldwide, to national and international standards. Tested to BS 476 Part 22 and other international standards. Compliant with the requirements given in Certifire TS35 – Certificate No. CF355.

TECHNICAL DATA

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

Adhesive performance: Adhesive type: High-performance modified acrylic.

Thickness: 205 microns.

Temperature resistance: +200°C short term, +100°C long term.

Tensile strength: >30N/15mm.

Elongation: 50%.

Humidity resistance: Very good.

Solvent resistance: Very good.

Ageing resistance: Very good.

Application resistance: Very good.

Application temperature: To be confirmed.

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 of the timber door set.

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

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. Encapsulated in an elastomeric polymer 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: 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

Form	Solid
Colour	All colours
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