

Application:	Fire resisting doorset
Fire resistance period:	30 to 60 minutes
Insulation/integrity:	Integrity
Approval type:	Certifire CF355

Intumescent Strip – Fire Only

PRODUCT PROFILES:

Flat
No adhesive

Flat
With adhesive

Pyroplex® Intumescent Strip provides a basic intumescent seal for fire rated metal and timber door leaves and frames. It is also ideal for general gap filling in buildings eg. suspended floors, soffits and ducting. It can be fitted under door hinges, locks and closers.

Pyroplex® Intumescent Strip is ideal for new build and retro-fit applications. Supplied in a continuous coil to minimise wastage and is 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. Compliant with CERTIFIRE technical schedule TS35.

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

FIELD OF APPLICATION

Pyroplex® Intumescent Strip has been specifically designed for use in the following applications:

- Surface mounted applications
- For use single and double action timber doors
- Insulated and non-insulated steel doors and frame
- New build and retro-fit applications
- May be used in glazing applications depending upon glass types and applications

PRODUCT FEATURES

- May be supplied with or without an acrylic self-adhesive backing
- Supplied on continuous reels for dispensing applications
- Pyroplex® intumescent material is high-pressure and multi-directional
- Pyroplex® intumescent material is totally unaffected by water, robust, 'non-flaking' and difficult to tear
- Pyroplex® intumescent material is black in colour

PRODUCT DATA

No adhesive Part No.	With adhesive Part No.	Profile Dimensions [W x D mm]	Metres per coil	Indication of Fire Performance	
				30 Minute	60 Minute
8196	30086	10 x 2.0	250m	✓	-
-	8492	10 x 2.5	250m	✓	-
8366	30085	15 x 2.0	200m	✓	-
-	8501	15 x 2.5	200m	✓	-
8212	30074	20 x 2.0	200m	✓	-
-	8921	20 x 2.5	150m	✓	-
-	3012005	22.2 x 2.0	25m	✓	✓
8294	30142	25 x 2.0	100m	✓	-
-	8934	25 x 2.5	100m	✓	-
8452	30075	30 x 2.0	100m	-	✓
-	8958	30 x 2.5	75m	-	✓
8241	-	45 x 2.0	50m	-	✓
-	8456	45 x 2.5	50m	-	✓
30187	-	45 x 4.0	50m	-	✓
-	30146	50 x 2.0	50m	-	✓

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 Strip 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

Pyroplex® Intumescent Strip has been extensively tested in the UK, Europe and worldwide, to national and international standards. Compliant with the requirements given in Certifire TS35 – Certifire CF355.

TECHNICAL DATA - SELF ADHESIVE SYSTEM

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 with a r&d film release liner (80um)

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

Tensile strength: >20N/15mm.

Elongation at break: 50%.

Humidity resistance: Very good.

Solvent resistance: Very good.

Ageing resistance: Very good.

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 on a regular basis to ensure that the product remains integral. Replace and fit any damaged components to reinstate the fire resistance.

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.

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. Provided with a semi rigid backing, may be supplied with or without 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

Intumescent element	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