

QUICK VIEW	Application:	Metal fire resisting doorset
	Fire resistance period:	30 to 60 minutes [indicative]
	Insulation/integrity:	Integrity

Fire Door Seals – Safex

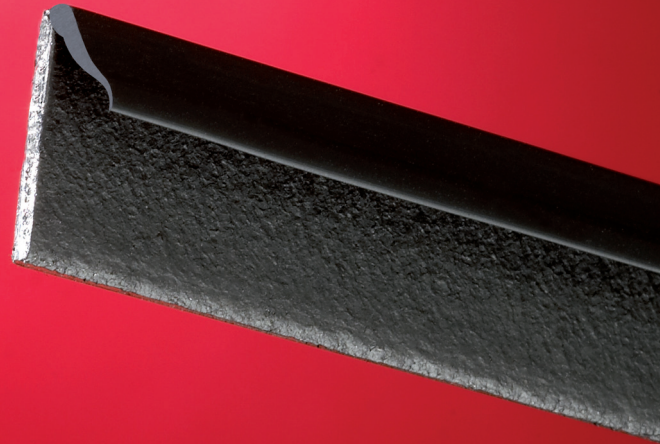
Pyroplex® Safex Seals provide an effective fire, smoke and acoustic seal for metal doorsets. They have been specifically designed to incorporate a high performance polyurethane flipper.

Pyroplex® Safex Seals are surface mounted and suitable for new and retro-fit applications. The seals can be used in single action single doorset and can provide up to 60 minute fire resistance.

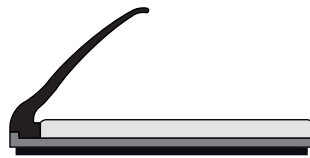
Pyroplex® Safex Seals are supplied in 2.1m lengths as standard and incorporate an acrylic self-adhesive tape.

Pyroplex® Safex Seals have achieved an accoustic rating of Rd32dB when tested in accordance with BS ISO 140-3.

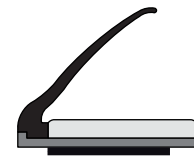
Product Data



Product profile



Safex 205
30143



Safex 125
30144

Field of application

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

- For use on metal pedestrian fire resisting door assemblies and timber door leaves or door frames.
- Single action single doorsets, and single acting double leaf perimeter seals.
- For new and retro-fit applications.

Product features

- Polyurethane flipper for low surface co-efficient.
- Excellent deflection recovery performance.
- Manufactured as a single component so flipper will not detach.
- High performance flipper which reduces smoke, acoustic and air infiltration.
- Can be surface mounted.
- Has achieved an accoustic rating of Rd32dB.

Product data

Part no.	Profile size [mm]	Indicative fire resistance
30144	12 x 1.8mm	30 minutes
30143	20 x 1.8mm	60 minutes

Installation instructions

1. Clean the substrate to remove surface oils, failure to remove surface greases may result in a delamination or poor adhesion to the substrate.
2. Remove the self-adhesive backing liner from the intumescent and apply the Pyroplex® Safex Seal to the substrate.
3. Apply even pressure to secure the Pyroplex® Safex Seal against the substrate.
4. To achieve excellent adhesion seals must be applied to clean, dry surfaces at temperatures between +5°C and +40°C.

Packaging information – boxed

Profile size [mm]	Quantity
12 x 1.8mm	100 x 2.1m
20 x 1.8mm	175 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. 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® 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 Safex Seals have been tested to national and international standards worldwide.

Technical data

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

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.

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

Maintenance and installation records

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 or smoke sealing performance.

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

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, with a polyurethane flipper. 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

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.

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