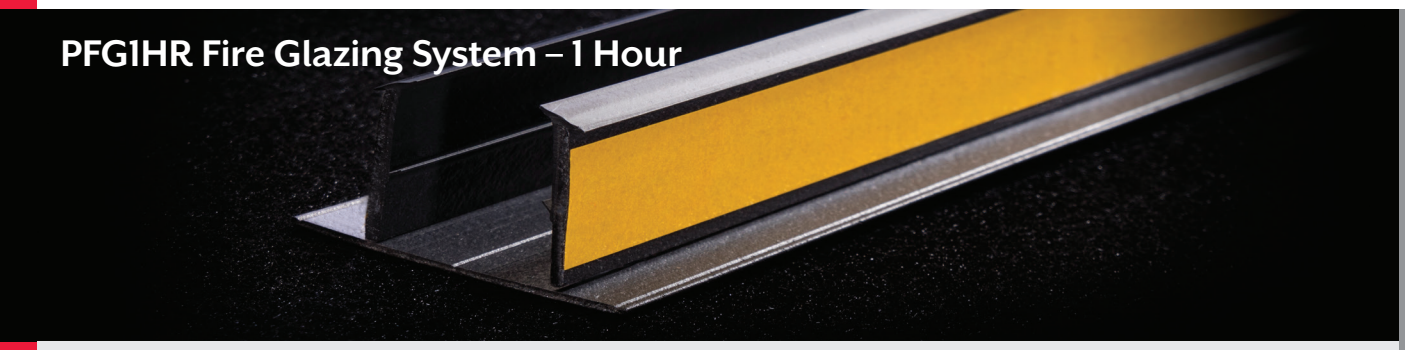
PYROPLEX®
FIRE CONTAINMENT

DATASHEET

Application:	Glazed apertures in fire resisting doors
Fire resistance period:	60 minutes
Insulation/integrity:	Insulation and integrity glass dependent
Test standard:	BS 476: Part 22: 1987: clause(s) 6/7
Approval type:	Certifire Certificate No.CF5287

PFG1HR Fire Glazing System – 1 Hour



PRODUCT PROFILES:

Seal - 2 Off

Liner - 1 Off

The Pyroplex® PFG1HR Fire Glazing System – 1 Hour has been specifically designed and developed for use within fire resistant glazed apertures. The glazing seal incorporates two integral glazing fins to accommodate tolerance variations in both glass and door cores, whilst maintaining sufficient compression of the glass and maintaining a low visual sightline. The three part system consists of 2 glazing seals and 1 aperture liner. The system has been tested to the requirements of BS476: Part 22:1987: clause(s) 6/7, tested on uninsulated and insulated glass types, including radiation glasses. The Pyroplex® FG1HR Fire Glazing System – 1 Hour is accredited and approved under the CERTIFIRE Scheme TS25 - Fire Resistant Glass, Glazing Systems and Materials.

Certifire Certificate No. CF5287

FIELD OF APPLICATION

Pyroplex® PFG1HR Fire Glazing System – 1 Hour has been specifically designed for use in the following applications:

- Glazed apertures in timber fire resisting doors.
- Large aspect ratios for landscape and portrait panels.
- Suitable for use in conjunction with uninsulated and fully insulated fire resistant glasses.

PRODUCT FEATURES

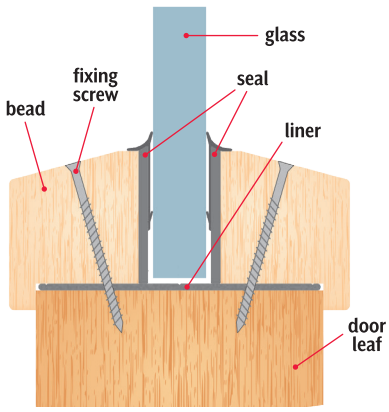
- Self adhesive backing for ease of application.
- Low profile sightlines.
- Printed for full identification and traceability.

PRODUCT DATA

System Part No.	Contents of each pack	Packaging
PFG1HR	Seal - Two x 2.1m lengths	10 packs per box
	Liner - One x 2.1m lengths	

INSTALLATION INSTRUCTIONS

1. Cut the aperture and ensure that the aperture is square cornered, remove any dust or debris from the aperture lining.
2. Remove the liner from the packaging, cut the liner to the required length. Remove the release paper from the liner and apply to the cut aperture. Apply even pressure during application to activate the adhesive properties of the self-adhesive system.
3. Having prepared the timber beads to the required dimensions, remove the glazing seal from its packaging. Peel the yellow release paper from the seal and apply to the face of the bead. The glazing cap should overlap the top of the timber bead.



The bead should be manufactured from hardwood with a minimum density of 610kg/m3 Ash and Beech are not permissible for use in 60minute glazing.

4. Mitre the beads to the correct length and push into the aperture to ensure a tight fit. Having now installed the beads, the beads can now be mechanically fixed into position. Using 50mm long screws (No.8) at 150mm centres.
5. Working from the reverse, push the glass into the aperture, ensure that the glazing fin does not fold inward on itself. Repeat step 4 and ensure that all screws are securely fastened. Screws may be either exposed using screw cups or where aesthetic finishes are required screws maybe recessed and finished.

QUALITY APPROVAL

Pyroplex Ltd has a Quality Management System that meets the requirements of ISO 9001, and is independently verified by BSI Quality Assurance under Certificate No. FM10371. Copies of this approval are available on request.

OTHER INFORMATION

End user should ensure that the door has been previously tested and certificated to accept a glazed aperture, failure to observe this guidance may invalidate the test evidence or approval for the door set assembly.

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 Ltd reserves the right to amend specifications without prior notice.

For glass types and aperture sizes refer to the CERTIFIRE certificate of approval CF5287. Copies of this approval are available on request.

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certifire

bsi. ISO 9001:2015 Quality Management FM 10371

bsi. ISO 14001:2015 Environmental Management EMS 637894

Feb 2018

TECHNICAL DATA:

PRODUCT TESTING

Pyroplex® PFGIHR Fire Glazing System – 1 Hour has been tested to BS476: Part 22:1987: clause(s) 6/7 and holds third party accreditation under the CERTIFIRE scheme certificate number CF5287.

TECHNICAL DATA

The materials used in the system are halogen free, therefore, non-toxic and have a low smoke emission.

Adhesive performance: Adhesive type: High performance tackified acrylic.

Thickness: 115 microns.

Temperature resistance: +200°C short term, +80°C long term.

Tensile strength: >8N/cm.

Humidity resistance: Very good.

Solvent resistance: Very good.

Ageing resistance: Very good.

MAINTENANCE AND INSTALLATION RECORDS

As this product is not subject to routine and replacement programmes, Pyroplex Limited recommends that all fire stopping 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

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 synthetic resin containing intercalated graphite with additional char promoters and modifiers, extenders.

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].

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]. Ensure sufficient ventilation.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory protection: None normally required, when supplied in solid form.

Hand protection: Not applicable.

Eye protection: Not applicable.

Skin protection: Not applicable.

PHYSICAL AND CHEMICAL PROPERTIES

Form	Rigid
Colour	Black
Odour	Chlorinated Polymer

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 authority 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

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