

Application:	Timber fire screen glazing
Fire resistance period:	30 minutes
Insulation/integrity:	Insulation and integrity depending on glass type
Test standard:	BS476: Part 20 – Part 22 and BS EN1634
Approval type:	Certifire CF348

Pyroplex glazing systems offer a range of sealing solutions for glazing apertures in fire doors and timber screens. They are fully flexible and supplied on reels for easy use and reduce waste. The packaging media used is fully recyclable. The sealing systems can be used in low sight line beads and can be either screw fixed or pin. Pyroplex glazing systems have been tested, in accordance with BS476: Part 22 and BS EN1634, including the testing requirements for CERTIFIRE TS35. Certifire Technical Schedule TS35.

Certifire Certificate No. CF348

(Available on our website to download at www.pyroplex.com)



PRODUCT PROFILES:



30049



30167

FIELD OF APPLICATION

Pyroplex glazing systems offer a range of sealing solutions for glazing apertures in fire doors and timber screens, including side and overhead panels.

- For use on insulating and non-insulating glasses in screens
- Large aspect ratios for landscape and portrait panels
- Suitable for use in conjunction with softwood and hardwood frames and beads
- Suitable for pin or screw fixings

PRODUCT FEATURES

- Complete dry glazing system
- Compressible fins to accommodate tolerance clearances within the glazing pocket.
- Suitable for low sight line applications - Angled beads from 11°-15°
- Suitable for softwood and hardwood timbers – secured using pins or screws.
- Increased pane sizes 0.76 m² in doors and 2.30m² in timber screens.
- Polymeric co-extruded skin and be wiped and can be easily cleaned and will not support mold or bacteria growth.
- The cardboard packaging is fully recyclable.

Part no.	Glass type	Metres on coil	Fire resistance
30049	Non-insulating and insulating	100m	30 minutes
30167	Non-insulating and insulating	100m	30 minutes

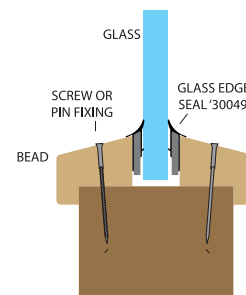
COLOURS

The product is available in a standard range of colours black, white and red. Other colours are available and maybe subject to minimum order quantity.

PRODUCT DATA

INSTALLATION INSTRUCTIONS - FIRE DOOR APERTURE

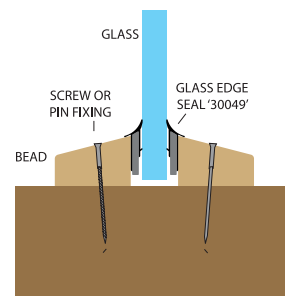
- 1.0 Ensure that the aperture has been prepared in accordance the guidance outlined in the door providers manual or global assessment. Glazed screens
- 2.0 Ensure that any dust or debris are removed from the bead, prior to the application of the product. Any dust residue may result in a loss of adhesion.
- 3.0 Unwind the product from the reel, remove the release liner from the product and apply to bead.
- 4.0 Mitre cut the bead and to fit the aperture, ensure that there are no gaps at the mitred corners of the beaded aperture.
- 5.0 Installed the glass within the and ensure all four sides are securely fastened and repeat the process to complete the assembly.



PRODUCT DATA

INSTALLATION INSTRUCTIONS - FIRE GLAZED SCREEN

- 1.0 Ensure that any dust or debris are removed from the bead, prior to the application of the product. Any dust residue may result in a loss of adhesion.
- 2.0 Unwind the product from the reel, remove the release liner from the product and apply to bead.
- 3.0 Mitre cut the bead and to fit the aperture, ensure that there are no gaps at the mitred corners of the beaded aperture.
- 4.0 Installed the glass within the and ensure all four sides are securely fastened and repeat the process to complete the assembly.



TYPICAL CONFIGURATIONS

Acceptable Glass Dimensions:

	Glazed Screen	Maximum Aperture Height	Maximum Aperture Width	Max. Aperture Area [m²]
3009 without Liner	Pyroshield or Pyran S	1125mm (at 1924mm wide)	2405mm (at 900mm high)	2.16
		2455mm (at 940mm wide)	1175mm (at 1964mm high)	2.30
	Pyrobelite, Pyrodur, Pyroguard, Pyrostem	Maximum glass height and width should be specified in the relevant glass manufacturer's CERTIFIRE Certificate.		

For further information please refer to CF348.

TYPICAL BEAD GEOMETRY

Door glazing bead	Screen glazing bead
Softwood or Hardwood with a minimum density of 510 kg/m³	Softwood or Hardwood with a minimum density of 510 kg/m³
Fixings Screws – 40mm long x 4mm Ø Pins – 50mm long x 1.5mm Center's – 150mm	Fixings Screws – 40mm long x 4mm Ø Pins – 50mm long x 1.5mm Center's – 150mm

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.

For glass types and aperture sizes, refer to the Certifire certificate CF348. Copies of this approval are available to download via the Pyroplex website at www.pyroplex.com.

TECHNICAL DATA:

PRODUCT TESTING

Pyroplex FS30 Glazed Screen Seal has been tested to the requirements of British Standard BS476: Part 22 in compliance with Certifire Technical Schedule TS25.

Certification
Certifire CF348
Warringtonfire WF178457

FRAME SYSTEM

The framing section can be manufactured from softwood timber with a density of 520kg/m³ and a minimum cross section of 90mm x 44mm, with corner radius of no greater than 2mm[r].

BEADING SYSTEM

The retaining beads can be manufactured from either hardwood or softwood with a minimum density of 520kg/m³. The fixings can be either 40mm long x 4mm diameter screws or 50mm long x 1.80mm diameter pins, both can be positioned at 150mm centres.

TECHNICAL DATA

Chemical composition: The active element is low-pressure forming, multi-directional expandable graphite contained within a high performance durable polymer. Expansion characteristics 10:1.

Adhesive performance: Type: High performance modified acrylic.

Thickness: 205 microns.

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

Tensile strength: >30N/15mm.

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 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:

Intumescent Material.

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Thermoplastic element composition intercalated graphite in a synthetic compound with additional fillers and process oils. Encapsulated in an elastomeric polymer for aesthetic finish. Supplied with a 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.

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: In the event of fire ensure sufficient ventilation.

Environmental precaution: No special measures necessary.

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: Appropriate protective gloves.

Eye protection: None normally required.

Skin protection: None normally required.

PHYSICAL AND CHEMICAL PROPERTIES

Form	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 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