

Application:	Timber fire screen glazing
Fire resistance period:	30 minutes
Insulation/integrity:	Insulation and integrity depending on glass type
Test standard:	BS 476: Part 22: 1987 BS EN 1634:1
Approval type:	Certifire CF348

Fire Glazed Screen Seal – 30 Minute

PRODUCT PROFILES:



30049

Pyroplex® FS30 Glazed Screen Seal is a low pressure multi-directional forming intumescent, designed to expand within the glazing pocket to provide 30 minutes fire resistance when exposed to elevated temperatures. This system offers an innovative solution for timber glazing screens with the capacity to incorporate over panels and side panels, with large aspect ratios.

Pyroplex® FS30 Glazed Screen Seal is tested to BS 476: Part 22 1987, BS EN 1634:1 and other international standards. Compliant with CERTIFIRE technical schedule TS 25.

Certifire Certificate No. CF348.

FIELD OF APPLICATION

Pyroplex® FS30 Glazed Screen Seal has been specifically designed for timber glazed screens in the following applications:

- For use on insulating and non-insulating glazed 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

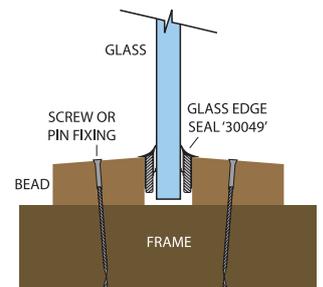
- An intumescent gasket which when exposed to elevated temperature, expands into the glazing pocket, to provide 30 minutes fire resistance in timber screens.
- A low pressure multi-directional forming intumescent.
- Can be supplied in a range of colours including black, white, cream and brown.
- Supplied in continuous reels for dispensing, ease of storage and to reduce wastage in cut-offs.
- Supplied with a high performance self-adhesive sealing system for ease of application and installation.
- Does not need to be secured with either mastic or sealant.

PRODUCT DATA

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

INSTALLATION INSTRUCTIONS

1. Apply Glass Edge Seal 30049 to the bead and fix the bead to the frame section, using either 40mm long x 4.1mm diameter screws or 50mm long x 1.80mm diameter pins, both can be positioned at 150mm centres.
2. Position the glass into the aperture and repeat step 1 to secure the glass into the final position.



QUALITY APPROVAL

Pyroplex Limited has a Quality Management System that meets the requirements of ISO 9001, and is independently verified by BSI Quality Assurance under Certificate No. FMI0371. 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.

For glass types and aperture sizes refer to the Certifire certificate CF348. Copies of this approval are available on request.

TECHNICAL DATA:

PRODUCT TESTING

Pyroplex® FS30 Glazed Screen Seal has been tested to the requirements of British Standard BS476: Part 22: 1987 in compliance with Certifire Technical Schedule TS25.

Certification
Certifire CF348
Warringtonfire WFI78457

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 beads can be manufactured from either hardwood with a minimum density of 640kg/M3 and/or softwood with a minimum density of 520kg/M3. The fixings can be either 40mm long x 4.1mm 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: Adhesive 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 this 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:

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: Appropriate protective gloves.

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