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## CERTIFICATE OF APPROVAL

### No CF 325

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

## LORIENT POLYPRODUCTS LIMITED

Fairfax Road, Heathfield Industrial Estate,  
Newton Abbot, Devon, TQ12 6UD  
Tel: 01626 834252 Fax: 01626 833166

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

Lorient Polyproducts  
System-321 Complete  
Glazing Solution

#### TECHNICAL SCHEDULE

TS25 Fire Resistant Glass,  
Glazing Systems and  
Materials

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan  
Certification Manager



Issued: 23<sup>rd</sup> September 2003  
Reissued: 11<sup>th</sup> December 2020  
Valid to: 10<sup>th</sup> December 2025





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## CERTIFICATE No CF 325

### LORIENT POLYPRODUCTS LIMITED

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#### LORIENT POLYPRODUCTS SYSTEM-321 COMPLETE GLAZING SOLUTION

This Certificate of Approval relates to the contribution to fire resistance of the Lorient System-321 when used in timber door leaves, for periods of 30 minutes integrity, as defined in BS 476: Part 22: 1987 or BS EN 1634-1: 2000 subject to the undermentioned conditions.

This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.

This product is approved on the basis of:

- a) Initial type testing
- b) A design appraisal against TS25
- c) Certification of quality management system to BS EN ISO 9001: 2008
- d) Inspection and surveillance of factory production control
- e) Audit Testing in accordance with TS25

This Certificate of Approval must be read in conjunction with CERTIFIRE Technical Schedule TS25, Fire Resistant Glass, Glazing Systems and materials.

#### Lorient Polyproducts System-321

Lorient Polyproducts System-321 consists of the following essential elements:

- Single pane of either 6 mm thick Pilkington Pyroshield™ Safety Clear glass, 7 mm thick Pyroguard C / W glass, 6 mm Pyrostem glass or 7 mm thick Pyrodur™ Plus clear glass,
- 2 No. hardwood glazing beads, with pre-fixed intumescent Palusol® aperture liner and Flexible Figure 1 glazing seal,
- Steel clip fixings.

The system is designed to provide all the necessary components required to adequately glaze an aperture of the appropriate dimensions within a fire resisting doorset.

The system is provided in four standard sight sizes:

- 600 mm high by 600 mm wide
- 750 mm high by 200 mm wide
- 500 mm high by 200 mm wide
- 1450 mm high by 200 mm wide

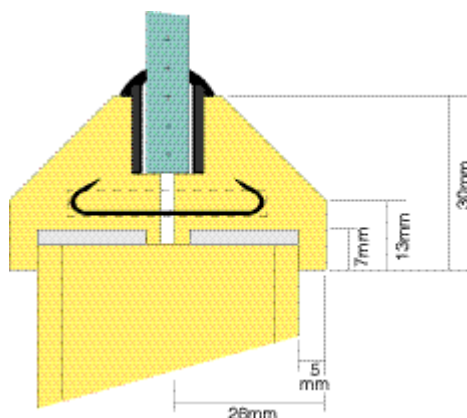
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### LORIENT POLYPRODUCTS SYSTEM-321 COMPLETE GLAZING SOLUTION

It is intended that the system will be provided in the above standard sizes, however, the table below includes the maximum permissible dimensions:

Standard	Glass	Maximum Height	Maximum Width	Maximum Area
BS 476: Part 22: 1987	Pilkington Pyroshield™ Safety	900 mm	730 mm	0.66 m <sup>2</sup>
		1450 mm	200 mm	0.29 m <sup>2</sup>
	Pyrostem	900 mm	730 mm	0.66 m <sup>2</sup>
		1450 mm	200 mm	0.29 m <sup>2</sup>
	Pyrodur™ Plus	930 mm	750 mm	0.70 m <sup>2</sup>
		1450 mm	200 mm	0.29 m <sup>2</sup>
	Pyroguard C / W	1236 mm	750 mm	0.71 m <sup>2</sup>
Pyrodur™ Plus	1565 mm	565 mm	0.71 m <sup>2</sup>	
BS EN 1634-1:1999	Pilkington Pyroshield™ Safety	825 mm	670 mm	0.55 m <sup>2</sup>
	Pyrodur™ Plus	900 mm	730 mm	0.66 m <sup>2</sup>

The figure below shows the relevant dimensions of the System-321 and basic glazing details:



**Cross-Section Through System-321**

System-321 may be fitted in the manner described in this Certificate of Approval, to previously tested door leaves provided that the particular aspects of the door assembly are maintained. These are described below but are not exhaustive:

1. The doorset, including door frame and associated building hardware, should have achieved at least 30 minutes integrity when tested or subsequently assessed by one of the laboratories approved by CERTIFIRE as acceptable for this purpose to BS 476: Part 22: 1987 or BS EN 1634-1: 2000.
- 2.



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#### LORIENT POLYPRODUCTS SYSTEM–321 COMPLETE GLAZING SOLUTION

3. If the proposed doorset is to be used in double-leaf configuration, the test or assessment evidence should be applicable to double-leaf configurations.
4. Likewise, if the proposed doorset is to be used in the unlatched configuration the available evidence should be applicable to unlatched doorsets.
5. The proposed doorset should also have included a glazed aperture or apertures of the intended size, shape, area and number.
6. When used to glaze CERTIFIRE approved doorsets, which have smaller apertures than allowed in this certificate, the aperture sizes specified in the doorset certificate shall take precedence.
7. For installation within solid core doors (comprising chipboard, flaxboard or timber cores), no aperture liner is required. For doors including tubular, hollow cores, a 6 mm thick hardwood aperture liner is required.

In this way the proposed installation of the Lorient System–321 is not expected to affect the performance of the leaf.