



CERTIFICATE OF APPROVAL

No CF 201

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:

CERTIFIED PRODUCT

**Lorient System 630 Glazing
 Gaskets**

TECHNICAL SCHEDULE

**TS25 Fire Resistant Glass,
 Glazing Systems and Materials**

Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight
 Chairman – WCL Impartiality Committee

Issued: 4th October 1999
 Reissued: 28th August 2015
 Valid to: 27th August 2020

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CERTIFICATE No CF 201

LORIENT POLYPRODUCTS LIMITED

LORIENT SYSTEM 630 GLAZING GASKETS

This Certificate of Approval relates to the contribution to fire resistance of the Lorient System 630 fire resisting glazing system when used in timber based door leaves, for a period 60 minutes integrity, as defined in BS 476: Part 22: 1987 subject to the undermentioned conditions.

This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.

This product is approved on the basis of:

- i) Initial type testing.
- ii) A design appraisal against TS25
- iii) Certification of quality management system to ISO 9001: 2008.
- iv) Inspection and surveillance of factory production control
- v) Audit testing

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

Lorient System 630 Fire Resistant Glazing Gasket - for use in doors for up to 60 minutes integrity

Lorient System 630 glazing gasket system consists of four essential elements:

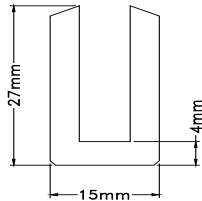
1. An elastomeric channel profile
2. Retaining beads, hardwood only
3. Pin or screw fixings, via the retaining beads
4. A Palusol based intumescent material, used as a lining around the perimeter of the aperture

The system is used at the perimeter of a pane of circular fire resisting glass to provide an effective seal between the glass and substrate within a door leaf.

A handwritten signature in black ink, appearing to be "E/108".

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LG2715

The adjacent figure referenced LG2715 shows the dimensions of the System 630 Glazing Gasket. This component shall be used in conjunction with the other elements listed above to form the complete system.

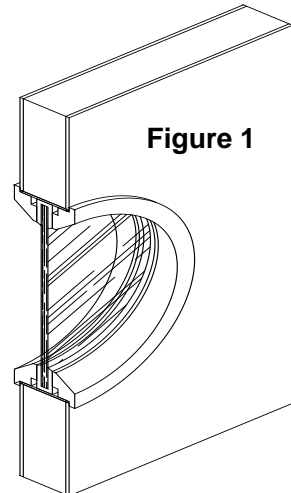


Figure 1 shows a typical arrangement of Lorient System 630 Glazing Gasket in a timber door leaf. The Gasket is to be used with pin or screw fixed retaining beads. Pins shall be a minimum of 50 mm long and screws shall be 45 mm long No 8s, both at a maximum of 85 mm fixing centres.

System 630 applied to flaxboard cored door leaves

This Certificate of Approval relates to the following glasses when used in conjunction with System 630 Glazing Gasket at the maximum sizes shown in Table 1 below:

Table 1 - Acceptable glass sizes for door leaves with a flaxboard core

Glass	Maximum leaf cut out diameter (mm)
Pyroshield	462
Pyran S	462
Firelite	462

The above table applies to door leaves which are a minimum of 54 mm thick and incorporate a flaxboard core having a minimum density of 550 kg/m³.



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System 630 applied to solid laminated cored door leaves - for period of up to 60 minutes integrity

This Certificate of Approval relates to the following glasses when used in conjunction with System 630 Glazing Gasket at the maximum sizes shown in Table 2 below:

Table 2 - Acceptable glass sizes for door leaves with a solid laminated core

Glass	Maximum leaf cut out diameter (mm)
Pyroshield	462
Pyran S	462
Firelite	462

Table 2 applies to door leaves which are a minimum of 44 mm thick and incorporate a solid laminated timber core having a minimum density of 450 kg/m³.

Door leaves - general

This Certificate of Approval relates to timber based door leaf constructions consisting of timber faces coupled with timber or other cellulosic cores of minimum overall leaf thickness 44 mm.

A Palusol based intumescent material, 40 mm or 50 mm wide (depending on door leaf thickness) by 2 mm thick, is required to be used as a lining around the perimeter of apertures cut within the door leaves. Figures 2 and 3 show the details in a cut-away form.



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The System 630 glazing gasket 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 60 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.
2. If the proposed doorset is to be used in double-leaf configuration, the test or assessment evidence should be applicable to double-leaf configurations.
3. Likewise, if the proposed doorset is to be used in the unlatched configuration the available evidence should be applicable to unlatched doorsets.
4. The proposed doorset should also have included a glazed aperture or apertures of the intended size, shape, area and number.
5. 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.

In this way the proposed installation of the Lorient System 630 glazing gasket is not expected to affect the performance of the leaf.

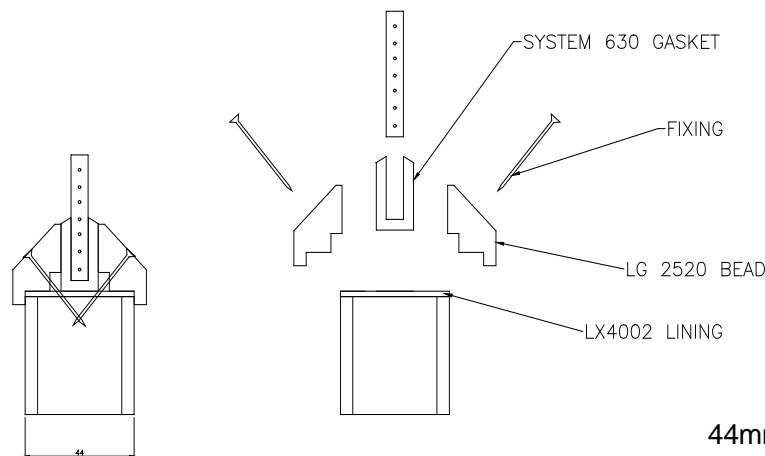


Figure 2
44mm thick leaves

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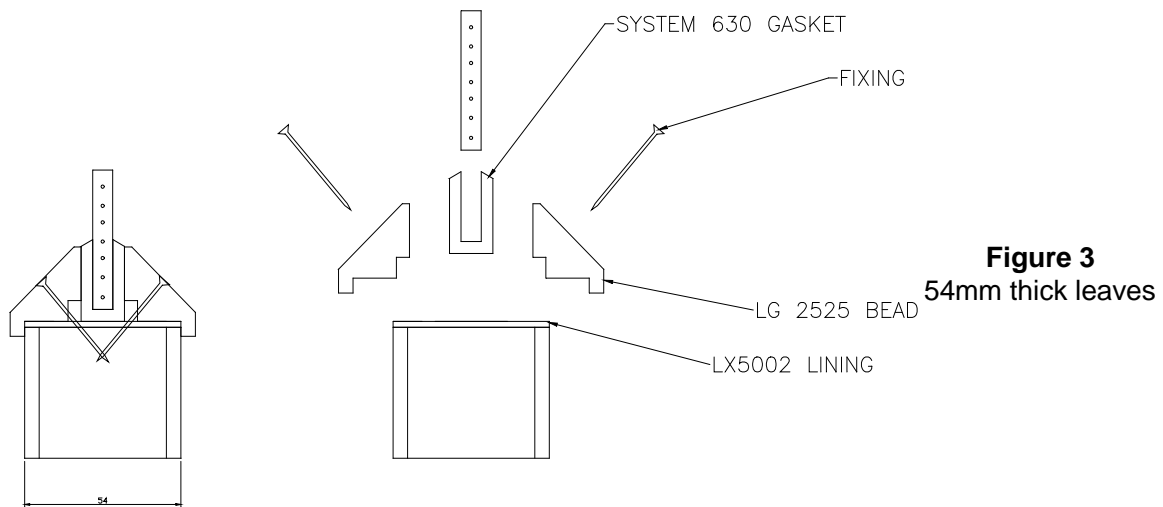
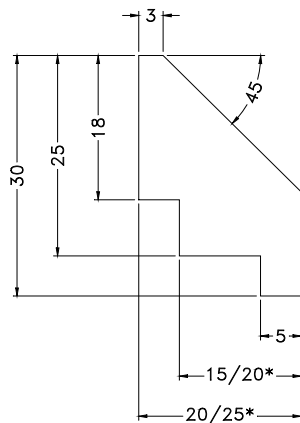


Figure 3
54mm thick leaves



No variations in retaining bead profile are allowable, Figure 4 shows the bead detail which shall be used. The beads are manufactured using 8 pieces of finger jointed timber using either Oak, Beech, Ramin, Utile and Columbian Pine with a minimum density of 615 kg/m³. Suitable types may include Oak, Beech, Ramin and Utile (subject to the above minimum density).

* relates to the use of this bead with a 54mm thick door leaf (bead reference LGC 2525) or a 44mm thick door leaf (bead reference LGC 2520)

This approval relates to on going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application when appropriate.