

SECTION 4

Intumescent Seals



Intumescent Seals:

NOTE: This section deals with the edge sealing of doors & frames only. Intumescent provisions for glazing and hardware are dealt with separately under 'Glazing' and 'Hardware'.

The use of intumescent seals is essential to achieve the potential fire performance of wood and wood based doorsets.

FLAMEBREAK™ core doors have been tested with PVC encapsulated sodium silicate and Graphite based intumescent seals. Positive pressure seals of the types used for determining performances under test conditions are available from numerous sources. (See below).

WARNING: Intumescent seal materials must be of the types and sizes described in this manual and must be located as illustrated in this Section.

Intumescent seals should be carefully fitted in accordance with the seal manufacturer's recommendations.

It is particularly important that the seal at the head should extend to the full width of the door (and preferably, the frame head) to ensure suitable sealing at the top joints of the frame that is a particular area of weakness under fire test conditions.

NOTE: Concealed intumescent systems are not approved for 'Q' mark applications.

Sources:

Proprietary Intumescent sealing systems, suitable for use with doors using FLAMEBREAK™ cores can be obtained from a number of sources including:

Norseal Ltd.
Intumescent Seals Ltd.
Lorient Polyproducts Ltd.
Mann McGowan Ltd.
Pyroplex Ltd.
Sealmaster Ltd.

NOTE: Further information with regard to intumescent sealing systems can be obtained from I.F.S.A. (Intumescent Fire Seals Association).

Extended Application:

NOTE 1: It may be possible to extend the dimensional applications envelope given by reference to Section 2 - Fire Door Applications Data by adjustment of the intumescent sealing. Requirements of this nature should be referred to Pacific Rim Wood Ltd. in the first instance together with details of the particular application requirement. Where necessary, additional base test data may be requested together with authority for use of such data for the purpose of assessment.

Note 2: Alternatively, it may be possible to consider the use of FD60 constructions for FD30 applications where the dimensional limits applicable to the FD30 constructions are not suitable for a particular project.

The extent to which it is possible to extend dimensional envelopes cannot be determined without the benefit of detailed knowledge of the intended application.

Where design requirements describe products that fall outside of the scope of the assessed dimensional applications envelopes described in Section 2 of this manual for any particular performance, full details of the requirement should be forwarded to:

Pacific Rim Wood Ltd.,
Unit 3,
Kingdom Fields,
Bratton Fleming,
Barnstaple,
Devon. EX21 4EN

Tel: +44 (0)1598 710100
Fax: +44 (0)1598 710900
E-mail: pacrim@btinternet.com

WARNING: Various formulae are used in the manufacture of intumescent seals that may provide for different performance characteristics under fire conditions. The mixing of intumescent seal types for use in the same doorset is not approved.



FLAMEBREAK 430 **FD30**

10x4mm Pyroplex Rigid Box

Q Single Leaf FD30 applications using 10x4mm Pyroplex Rigid Box Intumescent seals.

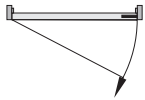
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**

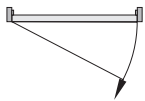


Latched Single leaf Single Action Doorsets:

Jambs & Head = 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2040 x 919mm
To: 2260 x 826mm

NOTE: For storey height doorsets use 10x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.

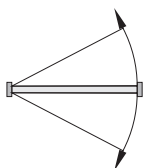


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2040 x 894mm
To: 2210 x 826mm

NOTE: For storey height doorsets use 10x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs & Head = 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2040 x 894mm
To: 2210 x 826mm

NOTE: For storey height doorsets use 10x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



FLAMEBREAK 430 **FD30**

10x4mm Pyroplex Rigid Box

Fig. 4.1

Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may be fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.2

Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may be fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



**Intumescent
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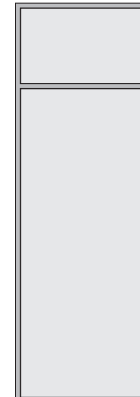
10x4mm Pyroplex Rigid Box

**Single Leaf FD30 applications
using 10x4mm Pyroplex Rigid Box
Intumescent seals.**

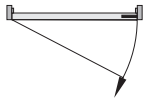
*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door
applications.*



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**

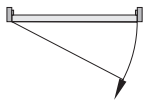


Latched Single leaf Single Action Doorsets:

Jambs & Head = 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2040 x 1057mm
To: 2300 x 826mm

*NOTE: For storey height doorsets use 10x4mm PVC encased Pyroplex Rigid Box to
all sides of the overpanel.*

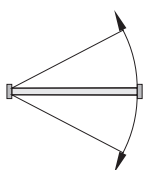


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2040 x 1032mm
To: 2300 x 826mm

*NOTE: For storey height doorsets use 10x4mm PVC encased Pyroplex Rigid Box to
all sides of the overpanel.*



Double Action Single leaf Doorsets:

Jambs & Head = 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2040 x 1032mm
To: 2300 x 826mm

*NOTE: For storey height doorsets use 10x4mm PVC encased Pyroplex Rigid Box to
all sides of the overpanel.*



FLAMEBREAK FF630 **FD30**

10x4mm Pyroplex Rigid Box

Fig. 4.3

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may be fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.4

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may be fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



**Intumescent
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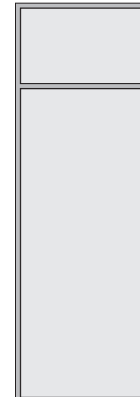
2x10x4mm Pyroplex Rigid Box

**Q Single Leaf FD30 applications using
2No. 10x4mm Pyroplex Rigid Box
Intumescent seals.**

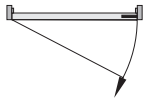
*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door applications.*



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**

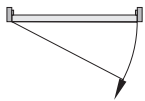


Latched Single leaf Single Action Doorsets:

Jambs & Head = 2No. 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2400 x 1358mm
To: 3190 x 1000mm

*NOTE: For storey height doorsets use 2No. 10x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*

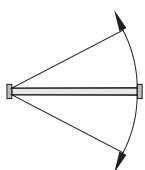


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 2No. 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2400 x 1333mm
To: 3140 x 1000mm

*NOTE: For storey height doorsets use 2No. 10x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*



Double Action Single leaf Doorsets:

Jambs & Head = 10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2400 x 1333mm
To: 3140 x 1000mm

*NOTE: For storey height doorsets use 2No. 10x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*



FLAMEBREAK 430
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FD30

2x10x4mm Pyroplex Rigid Box

Fig. 4.5

Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness, separated 10mm apart. The Intumescent seals may be fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.6

Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness, separated 10mm apart. The Intumescent seals may be fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



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2x10x4mm Pyroplex Rigid Box

**Q Double Leaf FD30 applications using
2No. 10x4mm Pyroplex Rigid Box
Intumescent seals.**

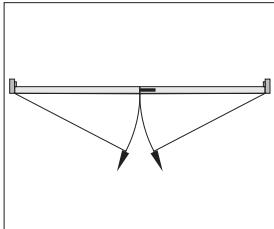
*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door applications.*



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



Latched Double leaf Single Action Doorsets (Pairs):

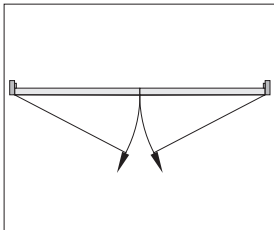
Jambs & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Meeting Stiles = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2400 x 2x1258mm
To: 2990 x 2x1000mm

*NOTE: For storey height doorsets use 2No. 10x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*

NOTE 2: Rebated Meeting stiles are not 'Q' Mark approved for this application.



Unlatched Double leaf Single Action Doorsets (Pairs):

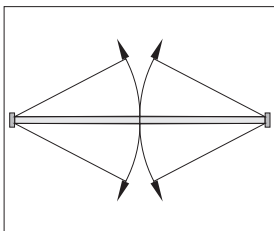
Jambs & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Meeting Stiles = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2400 x 2x1233mm
To: 2940 x 2x1000mm

*NOTE: For storey height doorsets use 2No. 10x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*

NOTE 2: Rebated Meeting stiles are not 'Q' Mark approved for this application.



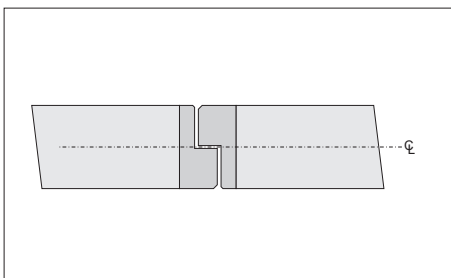
Double Action Double leaf Doorsets (Pairs):

Jambs & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Meeting Stiles = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2400 x 2x1233mm
To: 2940 x 2x1000mm

*NOTE: For storey height doorsets use 2No. 10x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*



Rebated Meeting Stiles:

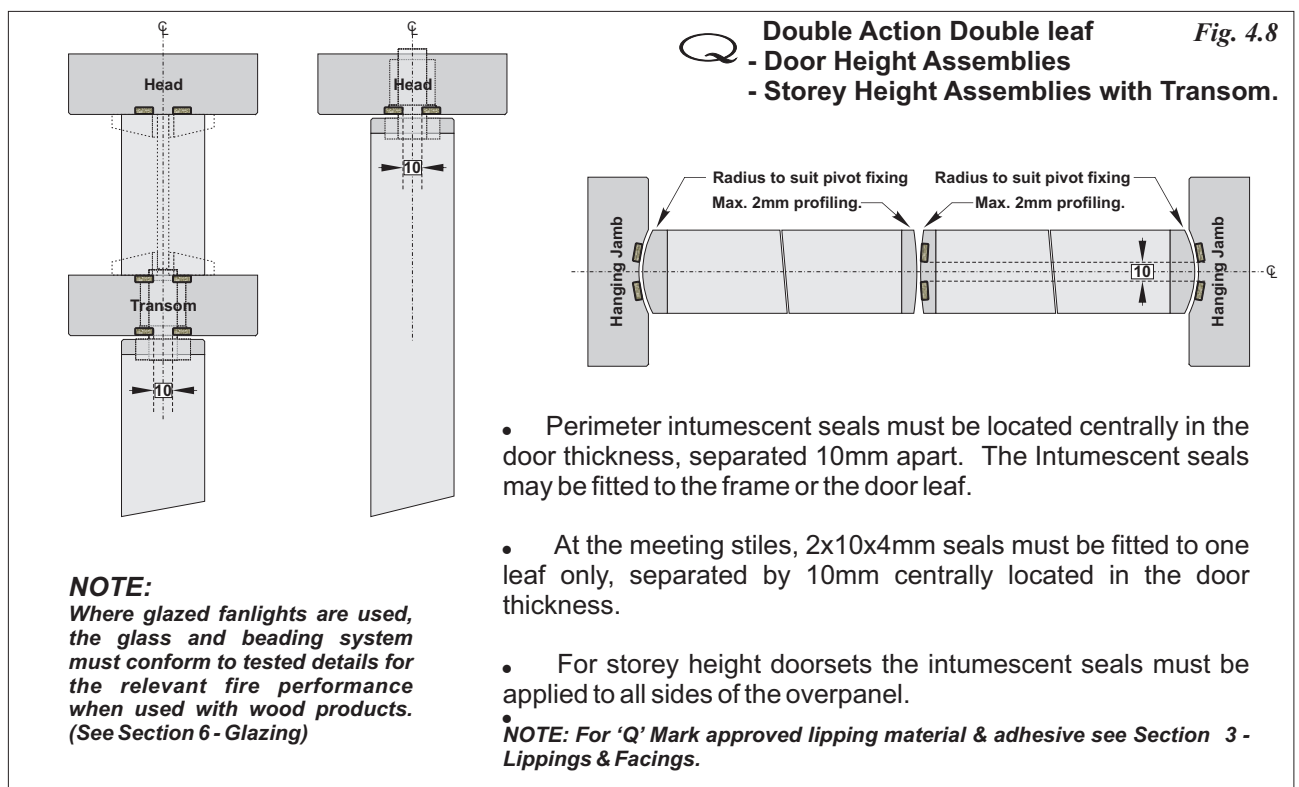
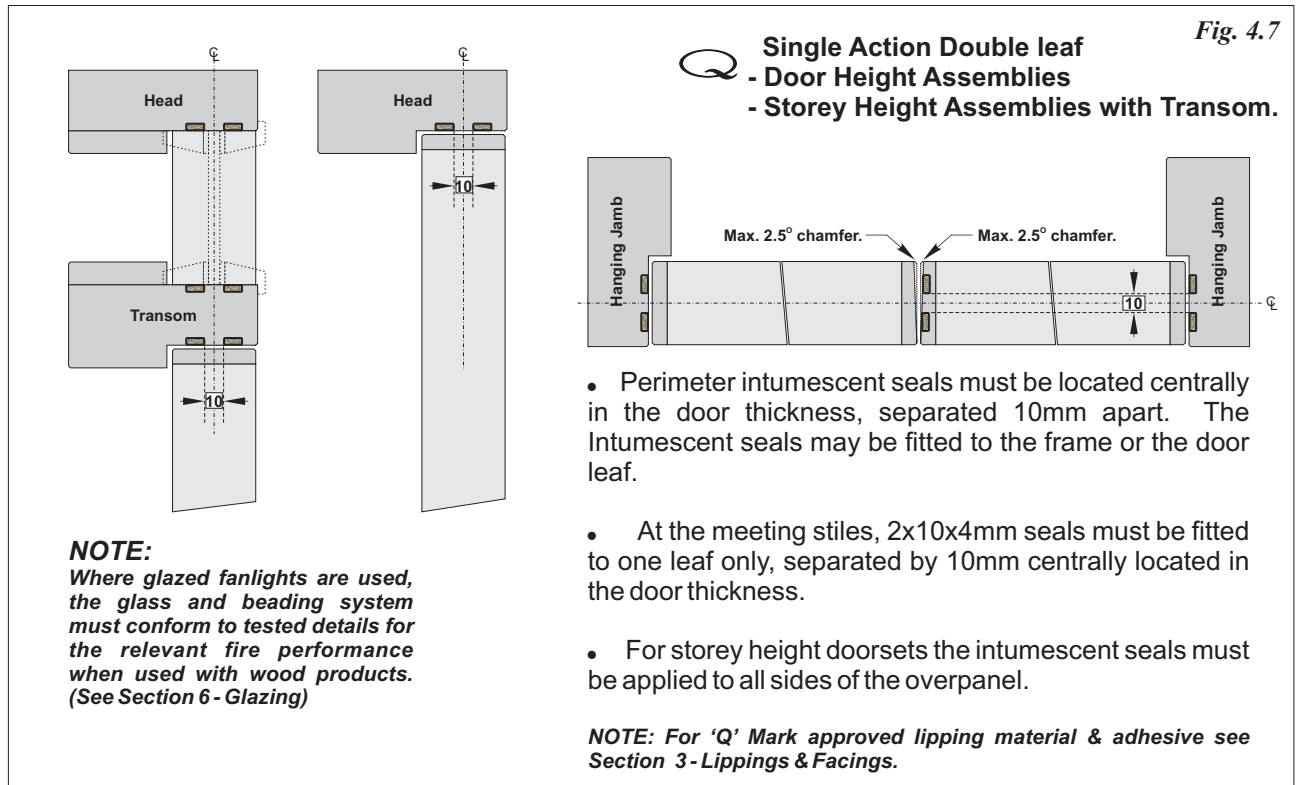
*Rebated Meeting stiles are not 'Q' Mark approved for this
application.*



FLAMEBREAK 430
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FD30

2x10x4mm Pyroplex Rigid Box





**Intumescent
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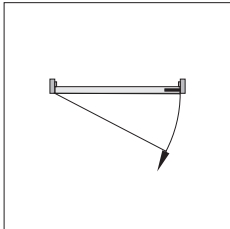
2x10x4mm Pyroplex Rigid Box

**Single Leaf FD30 applications using
2No. 10x4mm Pyroplex Rigid Box
Intumescent seals.**

*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door applications.*



**Single leaf
Storey Height Doorsets
with Flush Overpanel**



Latched Single leaf Single Action Storey Height Doorsets:

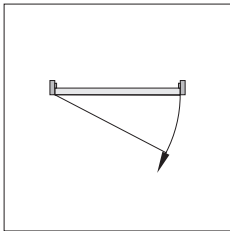
Jamb & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf / Overpanel - Square = 2No.10x4mm PVC encased Pyroplex Rigid Box fitted to door leaf or overpanel.

Door Leaf / Overpanel - Equal Rebated = 2No.10x4mm PVC encased Pyroplex Rigid Box fitted to the rebate of the door leaf and the overpanel.

Door Leaf sizes: From: 2400 x 1308mm
To: 3090 x 1000mm

NOTE: Use 2No. 10x4mm PVC encased Pyroplex Rigid Box to top and sides of the overpanel - See details.



Unlatched Single leaf Single Action Storey Height Doorsets:

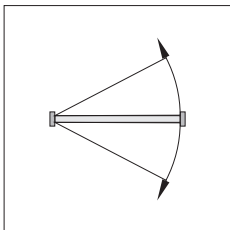
Jamb & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf / Overpanel - Square = 2No.10x4mm PVC encased Pyroplex Rigid Box fitted to door leaf or overpanel.

Door Leaf / Overpanel - Equal Rebated = 2No.10x4mm PVC encased Pyroplex Rigid Box fitted to the rebate of the door leaf and the overpanel.

Door Leaf sizes: From: 2400 x 1283mm
To: 3040 x 1000mm

NOTE: Use 2No. 10x4mm PVC encased Pyroplex Rigid Box to top and sides of the overpanel - See details.



Double Action Single leaf Storey Height Doorsets:

Jamb & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

Door Leaf / Overpanel - Square = 2No.10x4mm PVC encased Pyroplex Rigid Box fitted to door leaf or overpanel.

Door Leaf sizes: From: 2400 x 1283mm
To: 3040 x 1000mm

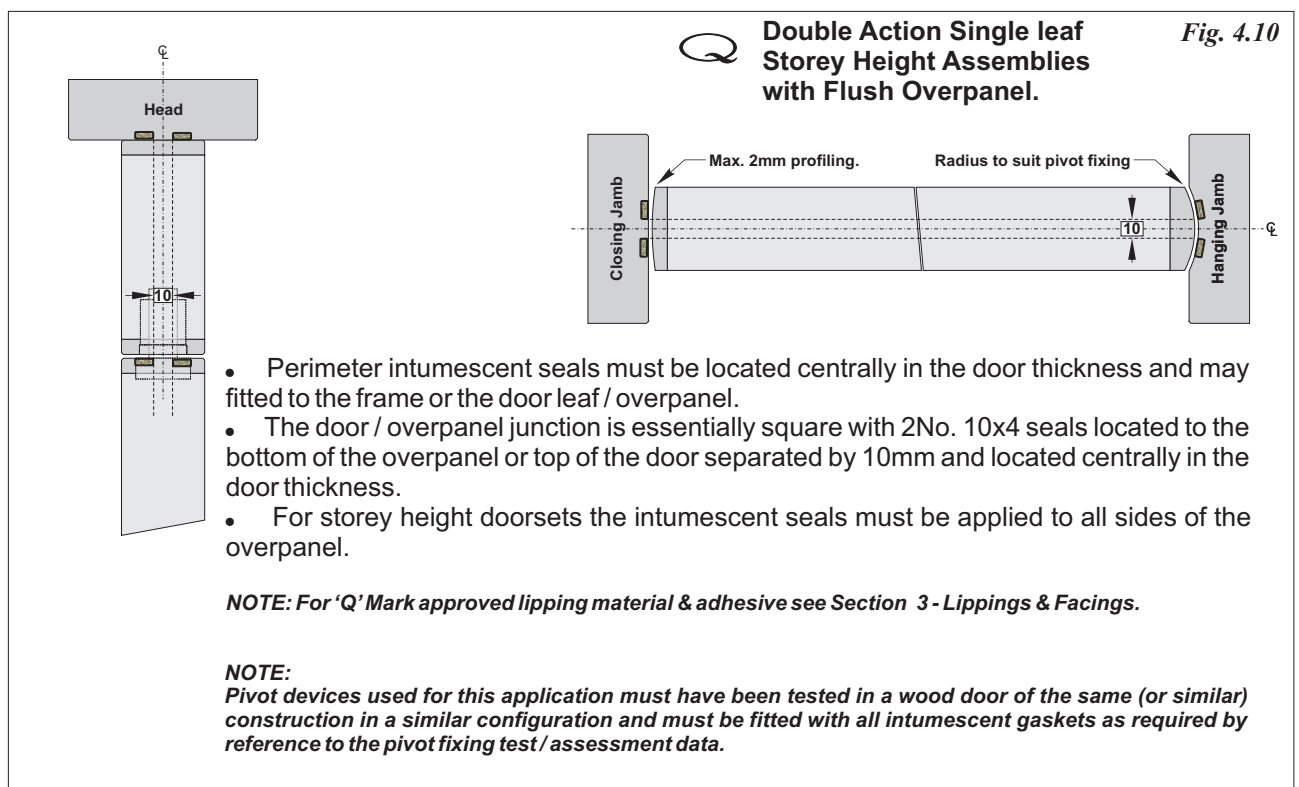
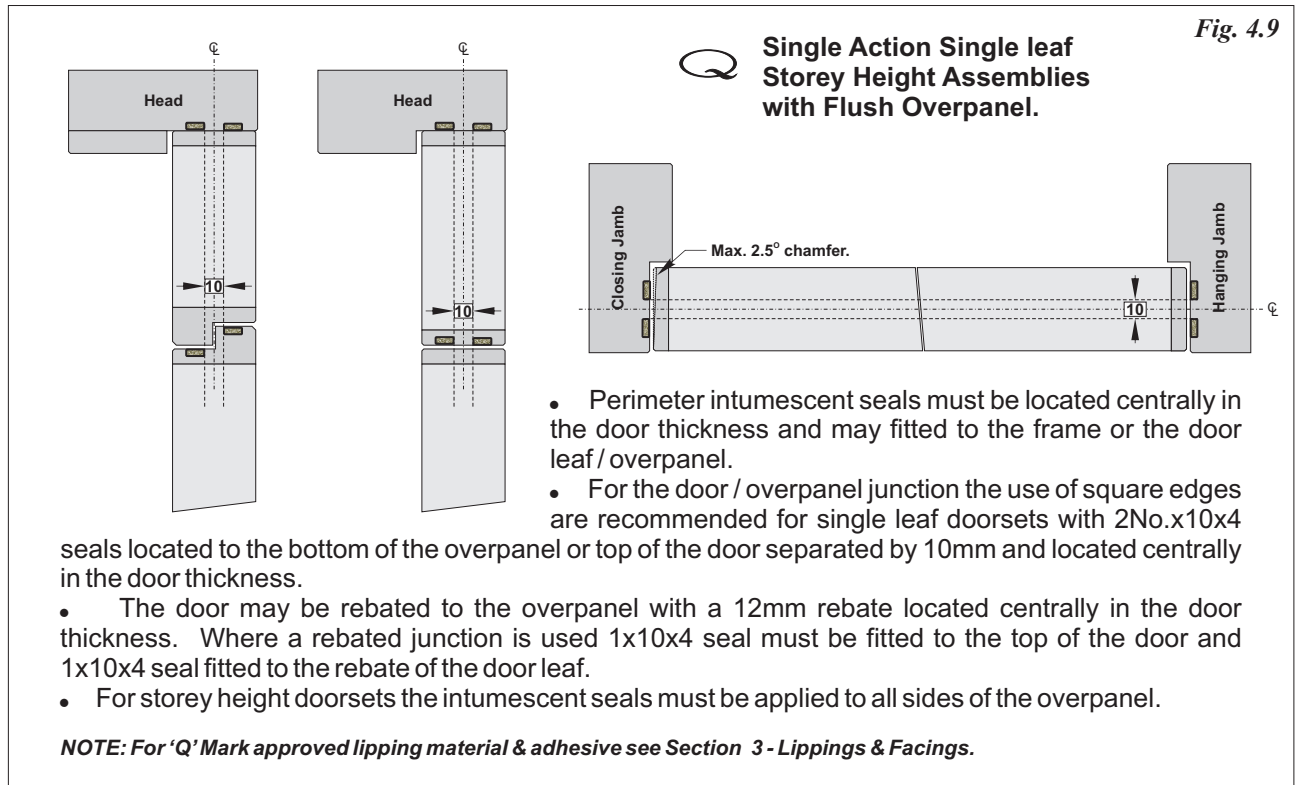
NOTE: Use 2No. 10x4mm PVC encased Pyroplex Rigid Box to top and sides of the overpanel - See details.



FLAMEBREAK 430

FD30

2x10x4mm Pyroplex Rigid Box





**Intumescent
Seals FD30**

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FD30

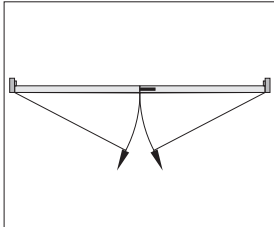
2x10x4mm Pyroplex Rigid Box

Q Double Leaf FD30 applications using 2No. 10x4mm Pyroplex Rigid Box Intumescent seals.

NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Storey Height Doorsets
with Flush Overpanel**

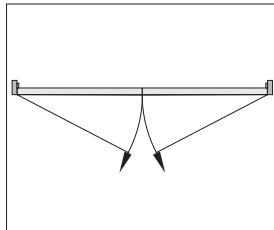


Latched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.
Meeting Stiles = 2No.10x4mm PVC encased Pyroplex Rigid Box.
Door Leaf / Overpanel - Equal Rebated = 2No.10x4mm PVC encased Pyroplex Rigid Box fitted to the rebate of the door leaf and the overpanel.
Door Leaf sizes: From: 2400 x 2x1208mm
 To: 2890 x 2x1000mm

NOTE 1: Use 2No. 10x4mm PVC encased Pyroplex Rigid Box to top and sides of the overpanel - See details.

NOTE 2: Rebated Meeting stiles are not 'Q' Mark approved for this application.

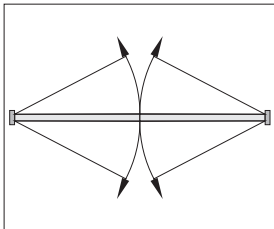


Unlatched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.
Meeting Stiles = 2No.10x4mm PVC encased Pyroplex Rigid Box.
Door Leaf / Overpanel - Equal Rebated = 2No.10x4mm PVC encased Pyroplex Rigid Box fitted to the rebate of the door leaf and the overpanel.
Door Leaf sizes: From: 2400 x 2x1183mm
 To: 2840 x 2x1000mm

NOTE 1: Use 2No. 10x4mm PVC encased Pyroplex Rigid Box to top and sides of the overpanel - See details.

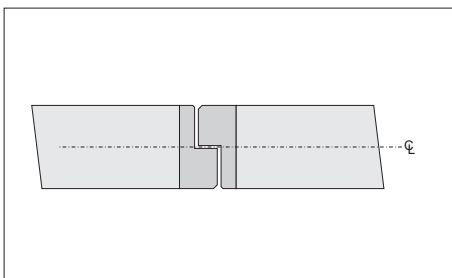
NOTE 2: Rebated Meeting stiles are not 'Q' Mark approved for this application.



Double Action Double leaf Doorsets (Pairs):

Jamb & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.
Meeting Stiles = 2No.10x4mm PVC encased Pyroplex Rigid Box.
Door Leaf / Overpanel - Square = 2No.10x4mm PVC encased Pyroplex Rigid Box fitted to door leaf or overpanel separated by 10mm centrally located to door / overpanel thickness.
Door Leaf sizes: From: 2400 x 2x1183mm
 To: 2840 x 2x1000mm

NOTE: Use Use 2No. 10x4mm PVC encased Pyroplex Rigid Box to top and sides of the overpanel - See details.



Rebated Meeting Stiles:

Rebated Meeting stiles are not 'Q' Mark approved for this application.



FLAMEBREAK 430

FD30

2x10x4mm Pyroplex Rigid Box

Fig. 4.11

Single Action Double leaf Storey Height Assemblies with Flush Overpanel.

NOTE: Planted stop is required in the area of the meeting stiles but need not be to the full widths of the doors.

- Perimeter intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf / overpanel.
- For the door / overpanel junction the door is rebated to the overpanel to prevent swing through of the door. The 12mm rebate is located centrally in the door thickness with 1x10x4 seal fitted to the rebate at the top of the door and 1x10x4 seal fitted to bottom of the door rebate.
- At the meeting stiles, 2x10x4mm Pyroplex Rigid Box seals must be fitted to one leaf only, separated by 10mm centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE 1: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

NOTE 2: An astragal can be fitted to the closing face of the overpanel to prevent swing through of pairs of doors as an alternative to rebating with intumescent seals located by reference to Fig. 4.17.

Fig. 4.12

Double Action Double leaf Storey Height Assemblies with Flush Overpanel.

- Perimeter intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf / overpanel.
- The door / overpanel junction is essentially square with 2x10x4 seals located to the bottom of the overpanel or top of the door separated by 5mm and located centrally in the door thickness.
- At the meeting stiles, 2x10x4mm Pyroplex Rigid Box seals must be fitted to one leaf only, separated by 10mm centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

NOTE: Pivot devices used for this application must have been tested in a wood door of the same (or similar) construction in a similar configuration and must be fitted with all intumescent gaskets as required by reference to the pivot fixing test / assessment data.



FLAMEBREAK 430
FLAMEBREAK 630
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15x4mm Pyroplex Rigid Box

Single Leaf FD30 applications using 15x4mm Pyroplex Intumescent Seals.

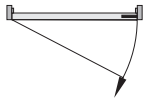
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

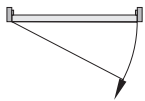


Latched Single leaf Single Action Doorsets:

Jams & Head = 15x4mm PVC encased PyroPlex Rigid Box.

Door Leaf sizes: From: 2145 x 1067mm
To: 2463 x 927mm

NOTE: For storey height doorsets use 15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.

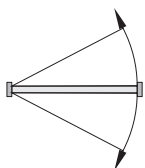


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2145 x 1042mm
To: 2413 x 927mm

NOTE: For storey height doorsets use 15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jams & Head = 15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2145 x 1042mm
To: 2413 x 927mm

NOTE: For storey height doorsets use 15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.

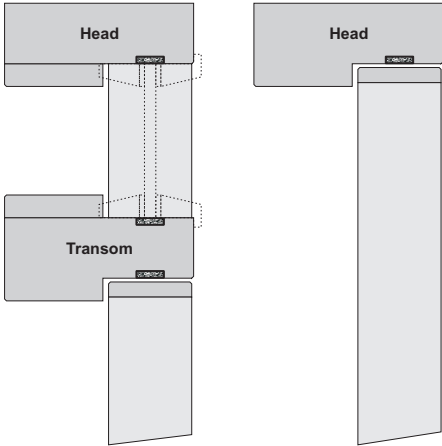


FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

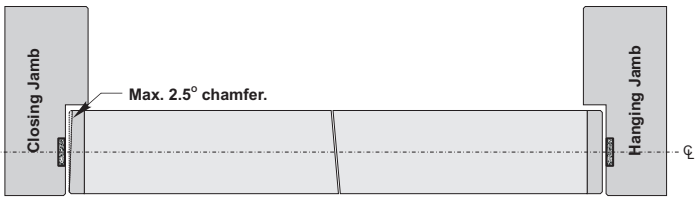
FD30

15x4mm Pyroplex Rigid Box

Fig. 4.13



Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



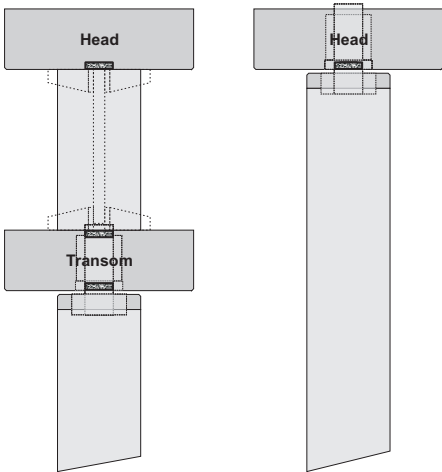
Max. 2.5° chamfer.

- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

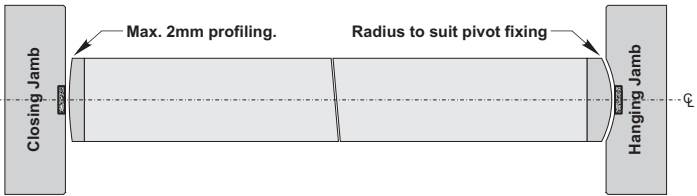
NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Fig. 4.14



Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



Max. 2mm profiling. Radius to suit pivot fixing.

- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)



FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

15x4mm Palusol 100

Q Single Leaf FD30 applications using 15x4mm Palusol 100 Intumescent Seals.

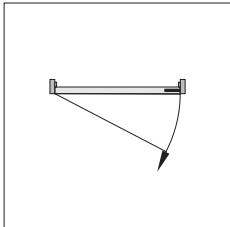
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

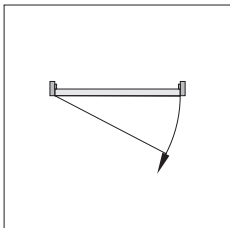


Latched Single leaf Single Action Doorsets:

Jams & Head = 15x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 15x4mm PVC encased Palusol 100 to all sides of the overpanel.

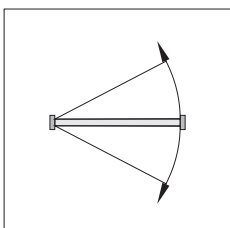


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 15x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 15x4mm PVC encased Palusol 100 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jams & Head = 15x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 15x4mm PVC encased Palusol 100 to all sides of the overpanel.

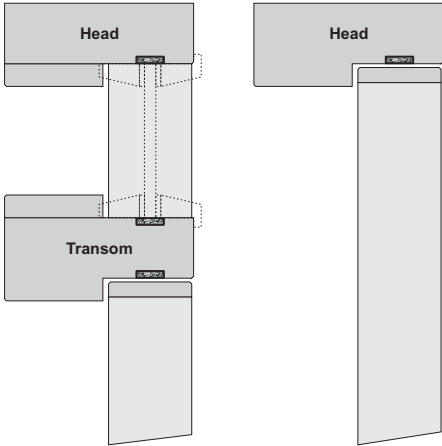


FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

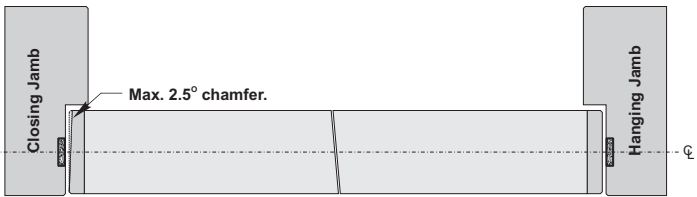
FD30

15x4mm Palusol 100

Fig. 4.15



Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

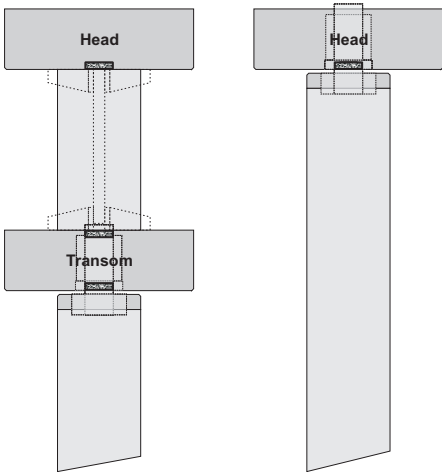


NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

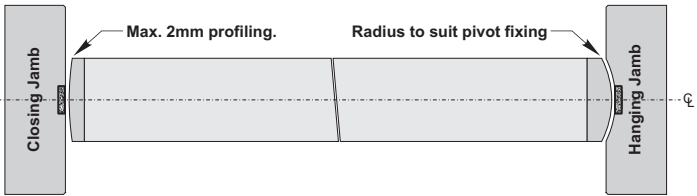
- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.16



Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

15x4mm Lorient 617

Q Single Leaf FD30 applications using 15x4mm Lorient 617 Intumescent Seals.

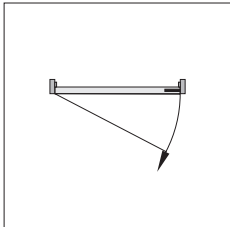
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

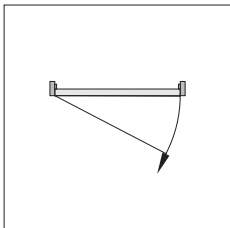


Latched Single leaf Single Action Doorsets:

Jambs & Head = 15x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 15x4mm PVC encased Lorient 617 to all sides of the overpanel.

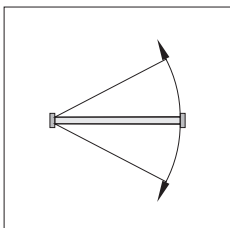


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 15x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 15x4mm PVC encased Lorient 617 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs & Head = 15x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 15x4mm PVC encased Lorient 617 to all sides of the overpanel.

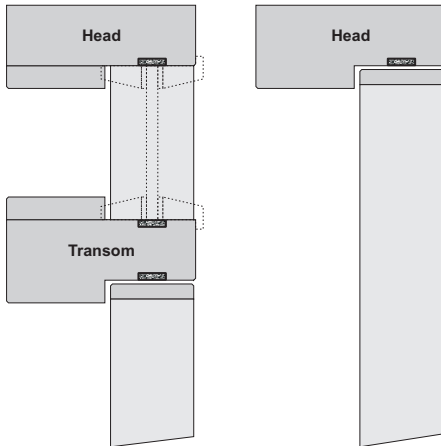


FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

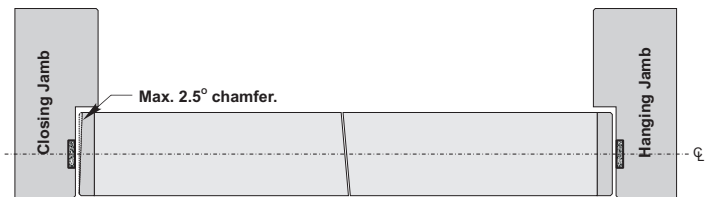
FD30

15x4mm Lorient 617

Fig. 4.17



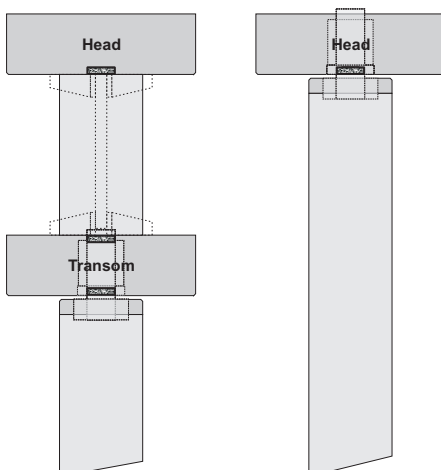
Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



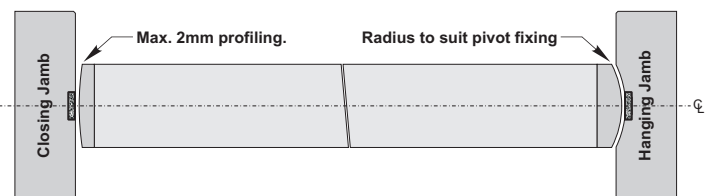
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



**Intumescent
Seals FD30**

FLAMEBREAK



Rev.D

**FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630** **FD30**

20x4mm Pyroplex Rigid Box

**Q Single Leaf FD30 applications using
20x4mm Pyroplex Rigid Box
Intumescent Seals.**

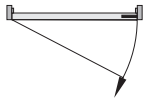
*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door applications.*



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**

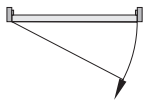


Latched Single leaf Single Action Doorsets:

Jambs & Head = 20x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2145 x 1067mm
To: 2463 x 927mm

*NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex Rigid Box to
all sides of the overpanel.*

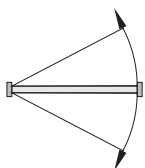


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 20x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2145 x 1042mm
To: 2413 x 927mm

*NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex Rigid Box to
all sides of the overpanel.*



Double Action Single leaf Doorsets:

Jambs & Head = 20x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2145 x 1042mm
To: 2413 x 927mm

*NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex Rigid Box to
all sides of the overpanel.*

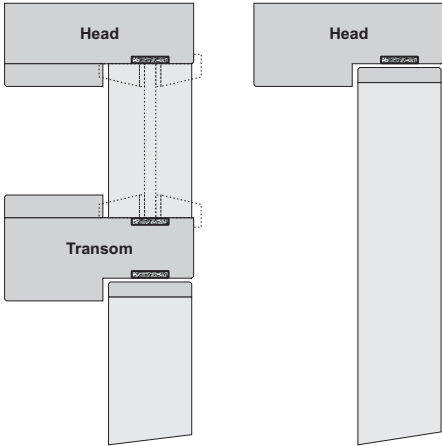


FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

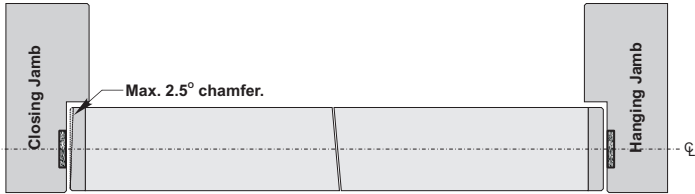
FD30

20x4mm Pyroplex Rigid Box

Fig. 4.19



Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



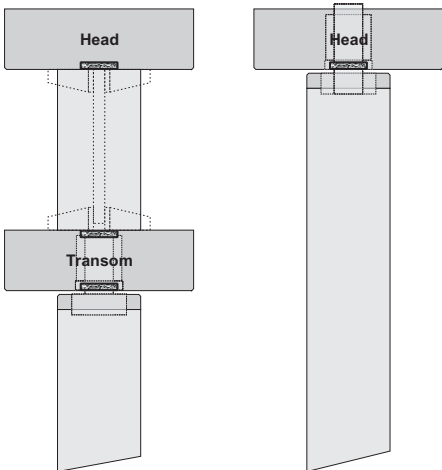
● Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.

● For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

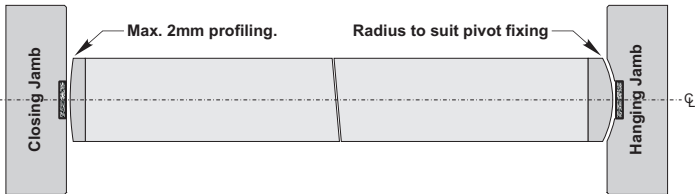
NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Fig. 4.20



Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



● Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.

● For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)



FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

20x4mm Palusol 100

Q Single Leaf FD30 applications using 20x4mm Palusol Intumescent Seals.

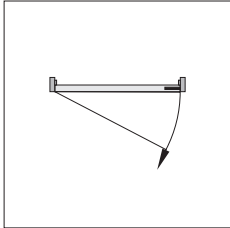
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

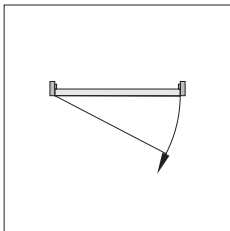


Latched Single leaf Single Action Doorsets:

Jams & Head = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.

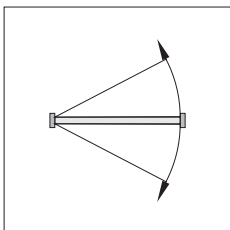


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jams & Head = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.



FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

20x4mm Palusol 100

Fig. 4.21

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.22

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



FLAMEBREAK 430 **FD30**

20x4mm Palusol 100

Q Double Leaf FD30 applications using 20x4mm Palusol Intumescent Seals.

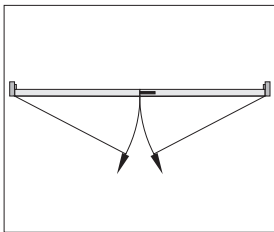
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



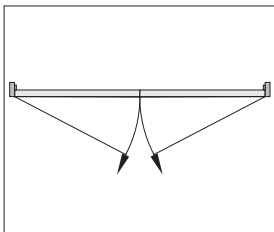
Latched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100.

Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x1047mm
To: 2434 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.



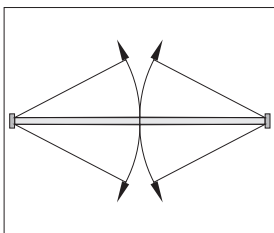
Unlatched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100.

Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x1022mm
To: 2384 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.



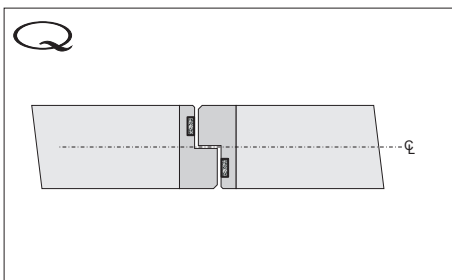
Double Action Double leaf Doorsets (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100.

Meeting Stiles = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x1022mm
To: 2384 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.



Rebated Meeting Stiles:

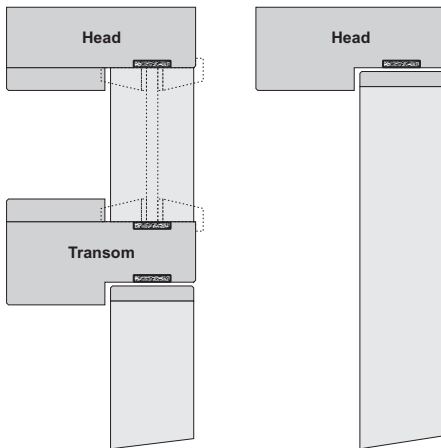
Rebated Meeting Stiles = 10x4mm PVC encased Palusol 100 with one strip located centrally in each rebate.



FLAMEBREAK 430

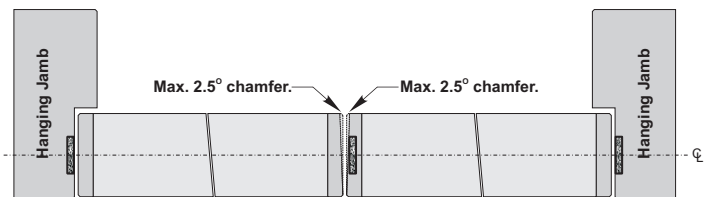
FD30

20x4mm Palusol 100



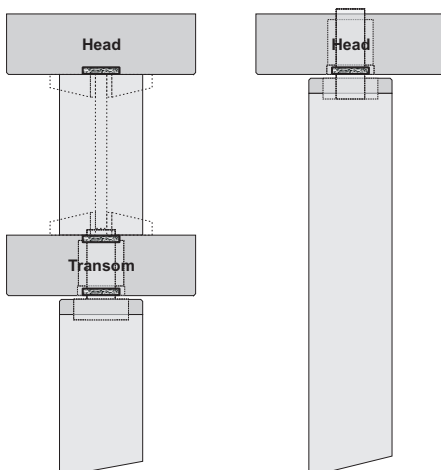
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.23



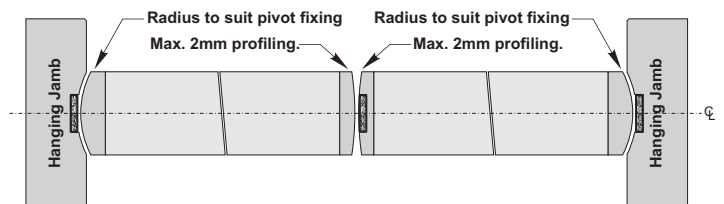
- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Palusol 100 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.24



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Palusol 100 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



FLAMEBREAK 630
FLAMEBREAK FF630 **FD30**

20x4mm Palusol 100

Q Double Leaf FD30 applications using 20x4mm Palusol Intumescent Seals.

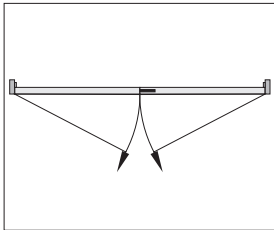
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



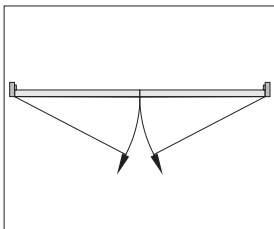
Latched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100.

Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x969mm
To: 2252 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.



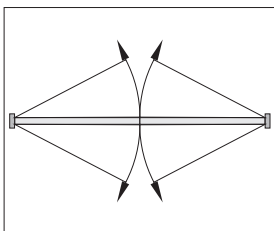
Unlatched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100.

Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x944mm
To: 2202 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.



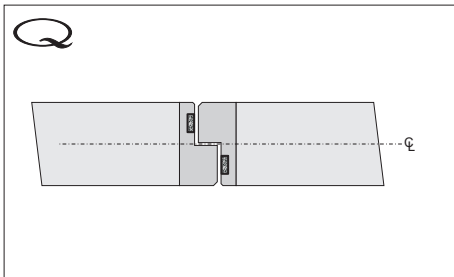
Double Action Double leaf Doorsets (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100.

Meeting Stiles = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x944mm
To: 2202 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Palusol 100 to all sides of the overpanel.



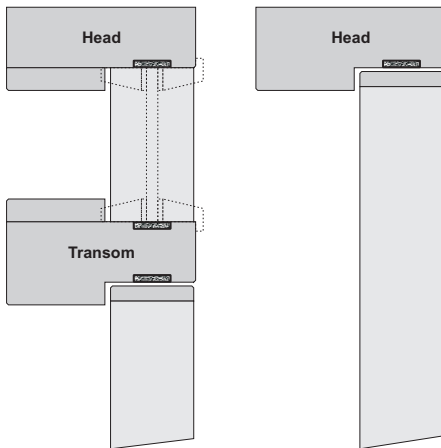
Rebated Meeting Stiles:

Rebated Meeting Stiles = 10x4mm PVC encased Palusol 100 with one strip located centrally in each rebate.



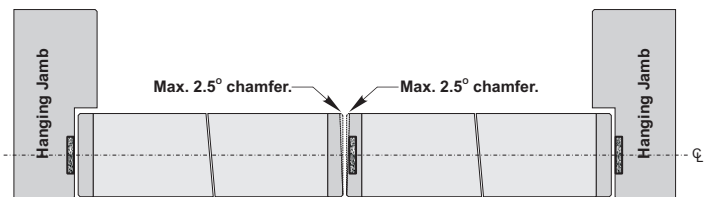
FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

20x4mm Palusol 100



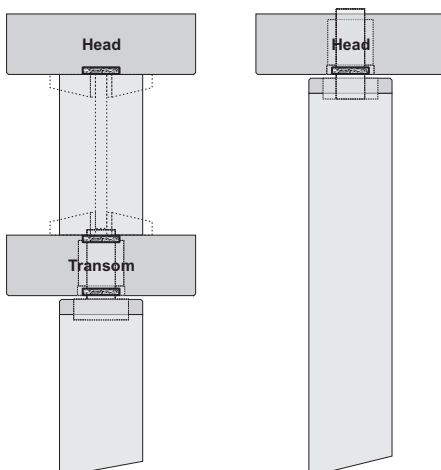
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.25



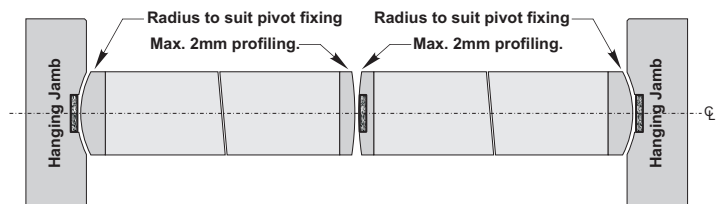
- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Palusol 100 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.26



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Palusol 100 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

20x4mm Lorient 617

Q Single Leaf FD30 applications using 20x4mm Lorient 617 Intumescent Seals.

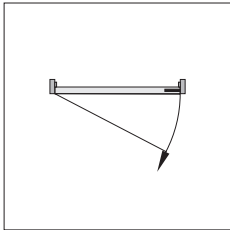
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

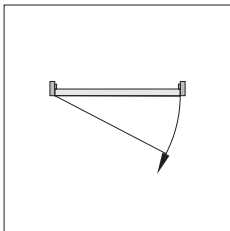


Latched Single leaf Single Action Doorsets:

Jambs & Head = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.

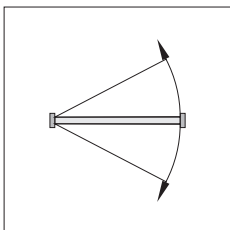


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs & Head = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1100mm
To: 2390 x 1100mm

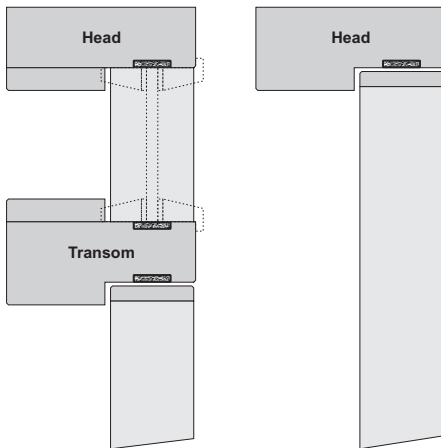
NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.



FLAMEBREAK 430 FLAMEBREAK 630 FLAMEBREAK FF630

FD30

20x4mm Lorient 617



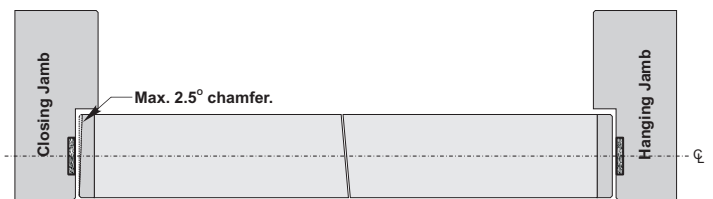
NOTE:

Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)



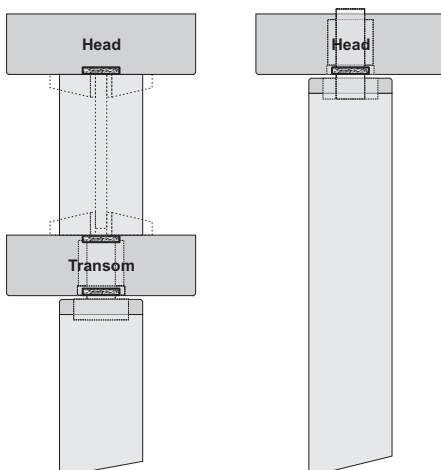
Single Action Single leaf - Door Height Assemblies - Storey Height Assemblies with Transom.

Fig. 4.27



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



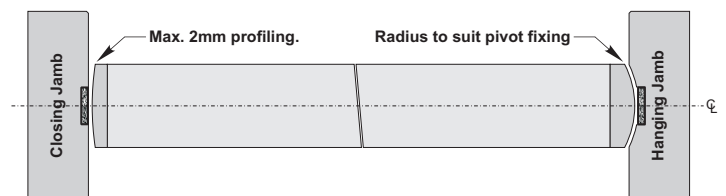
NOTE:

Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)



Double Action Single leaf - Door Height Assemblies - Storey Height Assemblies with Transom.

Fig. 4.28



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



**Intumescent
Seals FD30**

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FLAMEBREAK 430 FD30

20x4mm Lorient 617

Q Double Leaf FD30 applications using 20x4mm Lorient 617 Intumescent Seals.

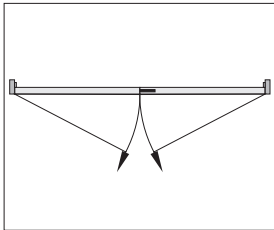
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



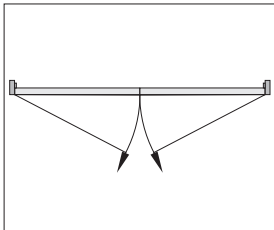
Latched Double leaf Single Action Doorsets (Pairs):

Jambs & Head = 20x4mm PVC encased Lorient 617.

Meeting Stiles (Square) = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x1047mm
To: 2434 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.



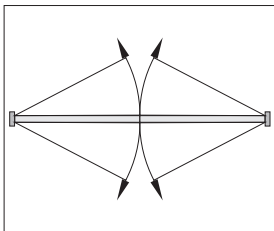
Unlatched Double leaf Single Action Doorsets (Pairs):

Jambs & Head = 20x4mm PVC encased Lorient 617.

Meeting Stiles (Square) = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x1022mm
To: 2384 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.



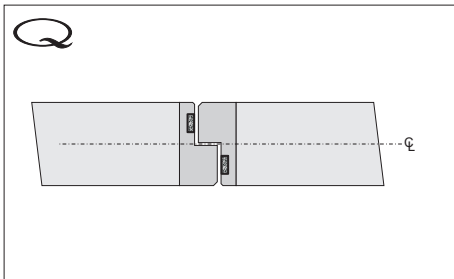
Double Action Double leaf Doorsets (Pairs):

Jambs & Head = 20x4mm PVC encased Lorient 617.

Meeting Stiles = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x1022mm
To: 2384 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.



Rebated Meeting Stiles:

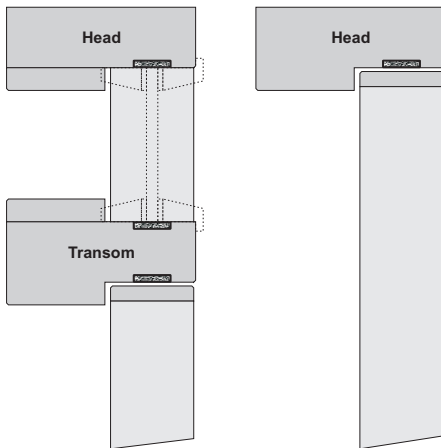
Rebated Meeting Stiles = 10x4mm PVC encased Lorient 617 with one strip located centrally in each rebate.



FLAMEBREAK 430

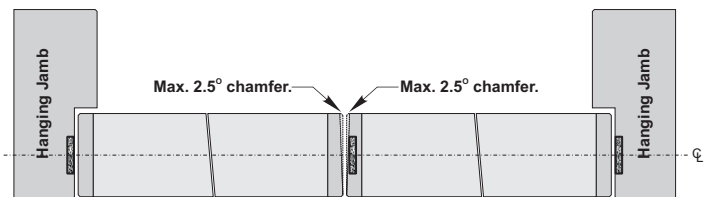
FD30

20x4mm Lorient 617



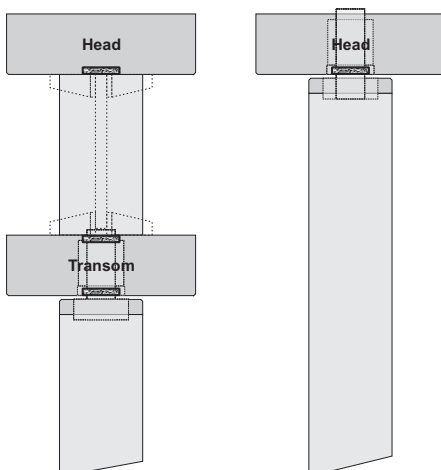
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.29



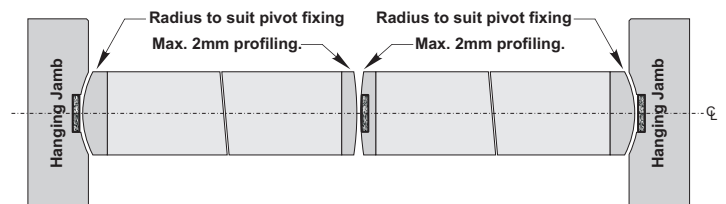
- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Lorient 617 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.30



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Lorient 617 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



FLAMEBREAK 630
FLAMEBREAK FF630 **FD30**

20x4mm Lorient 617

Q Double Leaf FD30 applications using 20x4mm Lorient 617 Intumescent Seals.

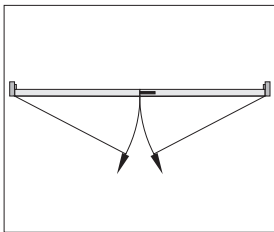
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



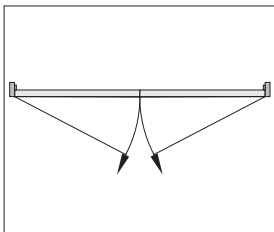
Latched Double leaf Single Action Doorsets (Pairs):

Jambs & Head = 20x4mm PVC encased Lorient 617.

Meeting Stiles (Square) = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x969mm
To: 2252 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.



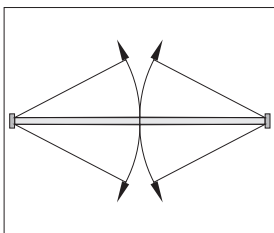
Unlatched Double leaf Single Action Doorsets (Pairs):

Jambs & Head = 20x4mm PVC encased Lorient 617.

Meeting Stiles (Square) = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x944mm
To: 2202 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.



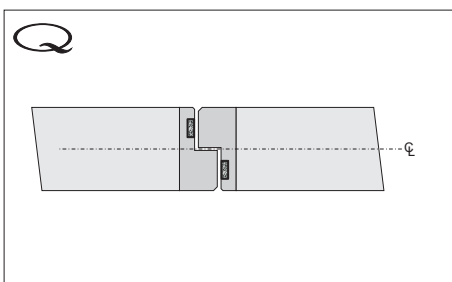
Double Action Double leaf Doorsets (Pairs):

Jambs & Head = 20x4mm PVC encased Lorient 617.

Meeting Stiles = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x944mm
To: 2202 x 2x915mm

NOTE: For storey height doorsets use 20x4mm PVC encased Lorient 617 to all sides of the overpanel.



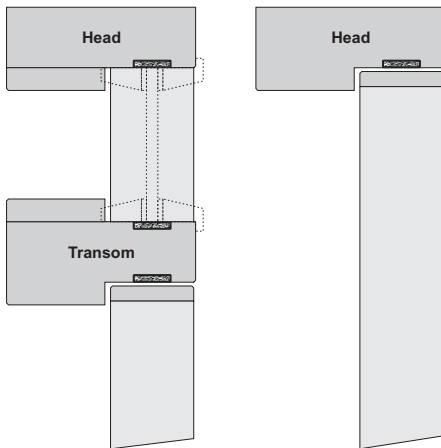
Rebated Meeting Stiles:

Rebated Meeting Stiles = 10x4mm PVC encased Lorient 617 with one strip located centrally in each rebate.



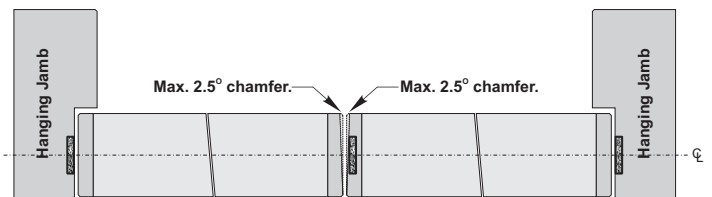
FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

20x4mm Lorient 617



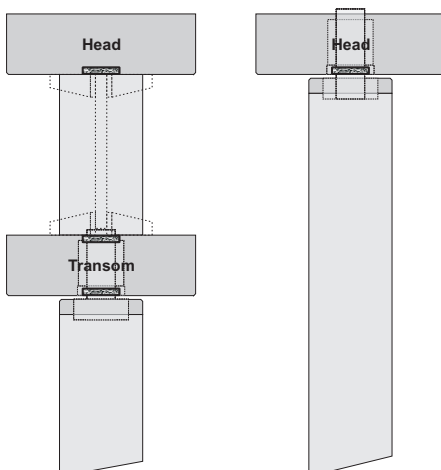
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.31



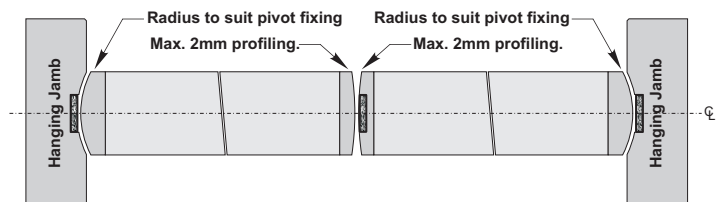
- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Lorient 617 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.32



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Lorient 617 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

34

Intumescent
Seals FD30

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Rev.D

FLAMEBREAK 430 FD30

25x4mm Palusol 100

Q Single Leaf FD30 applications using 25x4mm Palusol Intumescent Seals.

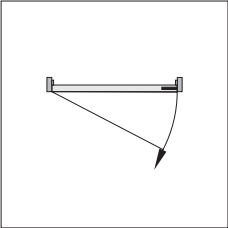
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

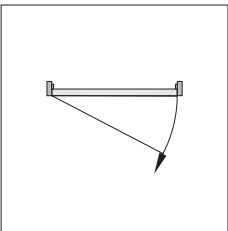


Latched Single leaf Single Action Doorsets:

Jams & Head = 25x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1387mm
To: 2870 x 1154mm

NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.

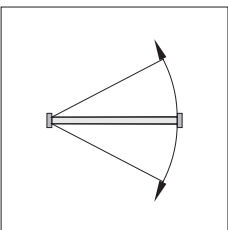


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 25x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1362mm
To: 2820 x 1154mm

NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jams & Head = 25x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2390 x 1362mm
To: 2820 x 1154mm

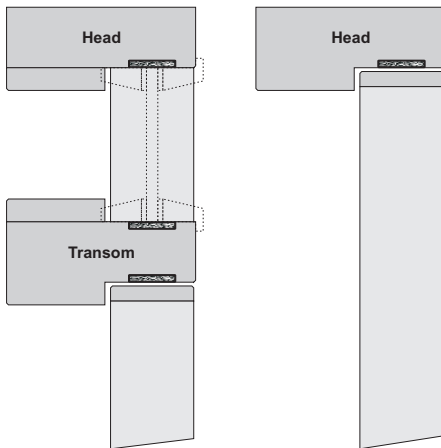
NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.



FLAMEBREAK 430

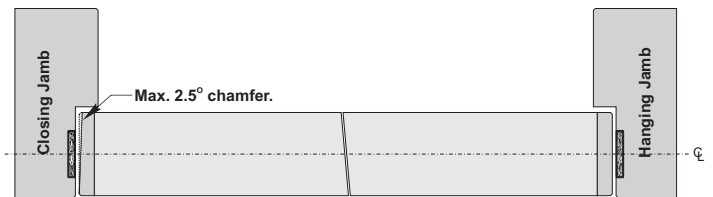
FD30

25x4mm Palusol 100



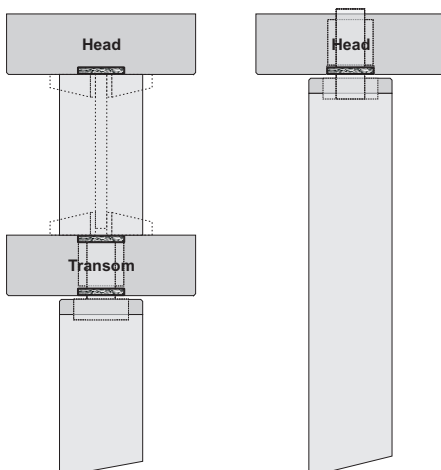
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.33



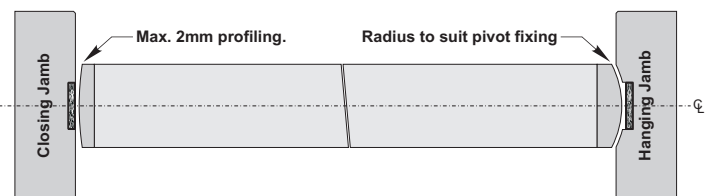
- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.34



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



FLAMEBREAK 630
FLAMEBREAK FF630 **FD30**

25x4mm Palusol 100

Q Single Leaf FD30 applications using 25x4mm Palusol Intumescent Seals.

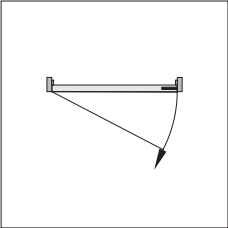
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

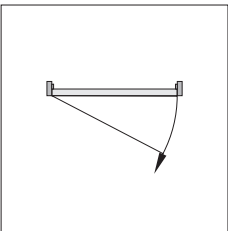


Latched Single leaf Single Action Doorsets:

Jambs & Head = 25x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2440 x 1220mm
To: 2440 x 1220mm

NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.

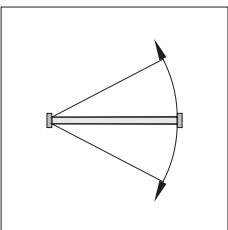


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 25x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2440 x 1220mm
To: 2440 x 1220mm

NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs & Head = 25x4mm PVC encased Palusol 100.

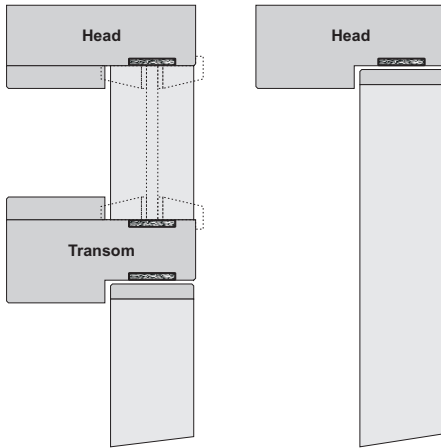
Door Leaf sizes: From: 2440 x 1220mm
To: 2440 x 1220mm

NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.



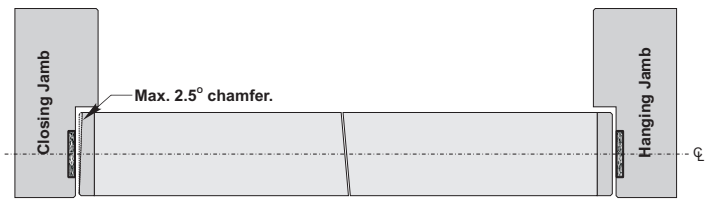
FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

25x4mm Palusol 100



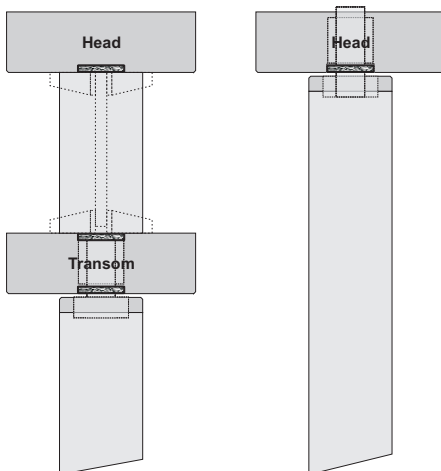
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.35



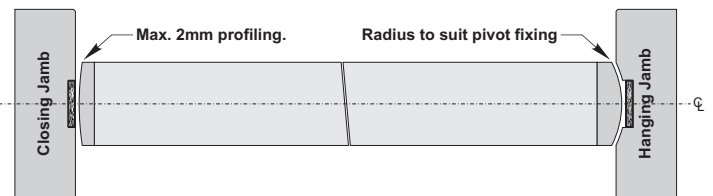
- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.36



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



FLAMEBREAK 430 **FD30**

25x4mm Palusol 100

Q Double Leaf FD30 applications using 25x4mm Palusol 100 Intumescent Seals.

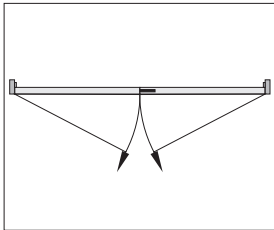
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



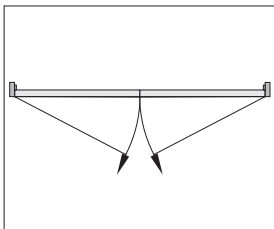
Latched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100.

Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x1047mm
To: 2434 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.



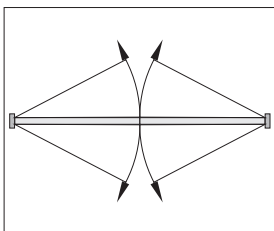
Unlatched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100.

Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x1022mm
To: 2384 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.



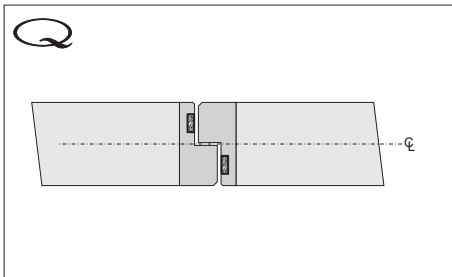
Double Action Double leaf Doorsets (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100.

Meeting Stiles = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x1022mm
To: 2384 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all sides of the overpanel.



Rebated Meeting Stiles:

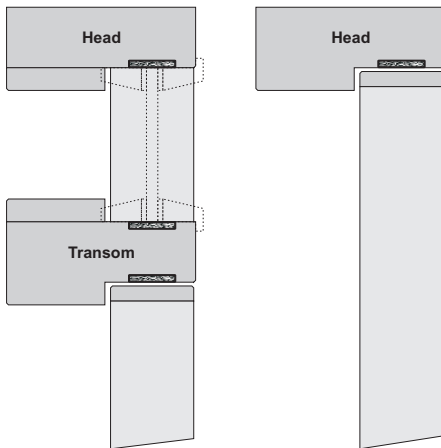
Rebated Meeting Stiles = 10x4mm PVC encased Palusol 100 with one strip located centrally in each rebate.



FLAMEBREAK 430

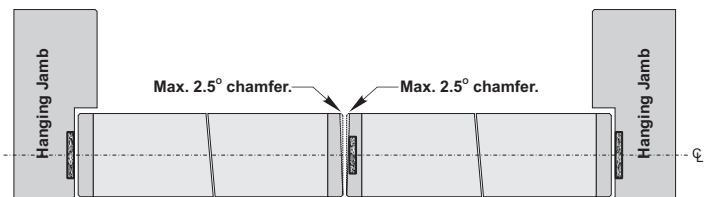
FD30

25x4mm Palusol 100



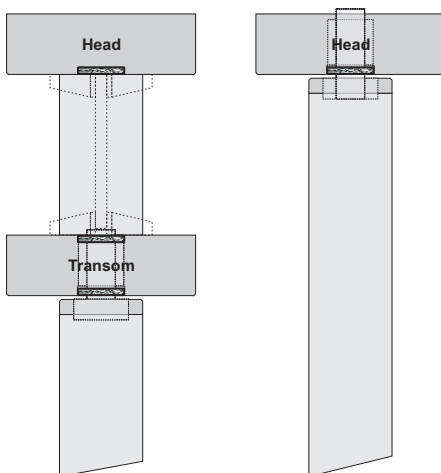
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.37



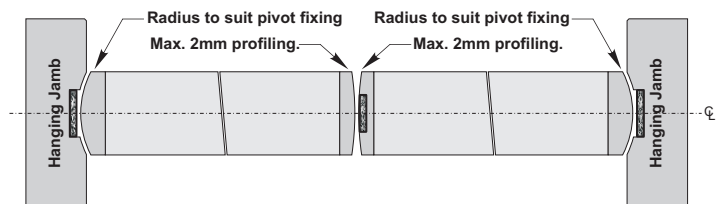
- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Palusol 100 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.38



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Palusol 100 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



**40 Intumescent
Seals FD30**

FLAMEBREAK



Rev.D

**FLAMEBREAK 630
FLAMEBREAK FF630 FD30**

25x4mm Palusol 100

**Q Double Leaf FD30 applications
using 25x4mm Palusol 100 Intumescent
Seals.**

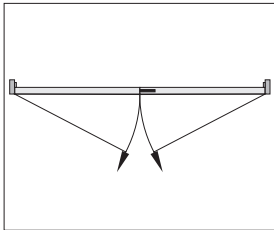
*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door applications.*



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



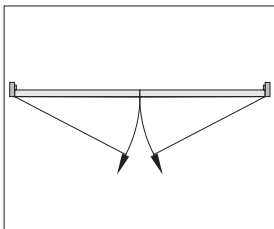
Latched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100.

Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x969mm
To: 2252 x 2x915mm

*NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all
sides of the overpanel.*



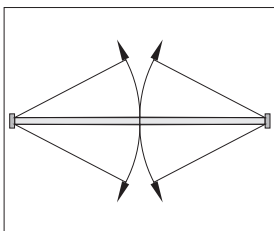
Unlatched Double leaf Single Action Doorsets (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100.

Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x944mm
To: 2202 x 2x915mm

*NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all
sides of the overpanel.*



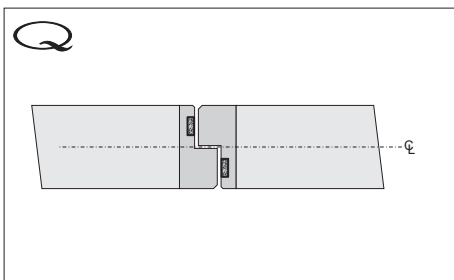
Double Action Double leaf Doorsets (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100.

Meeting Stiles = 20x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2135 x 2x944mm
To: 2202 x 2x915mm

*NOTE: For storey height doorsets use 25x4mm PVC encased Palusol 100 to all
sides of the overpanel.*



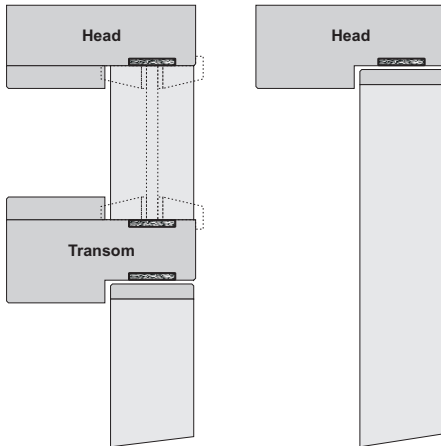
Rebated Meeting Stiles:

**Rebated Meeting Stiles = 10x4mm PVC encased Palusol 100
with one strip located centrally in each rebate.**



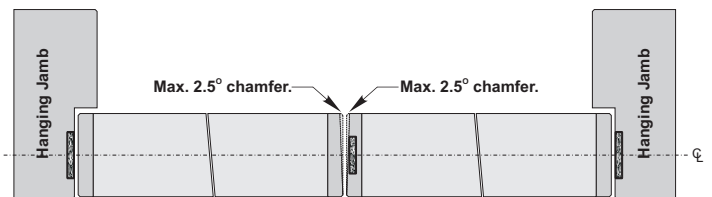
FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

25x4mm Palusol 100



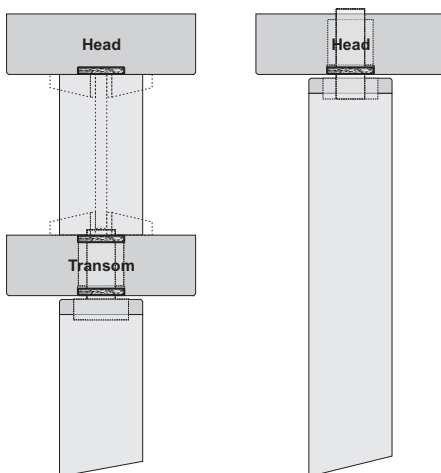
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.39



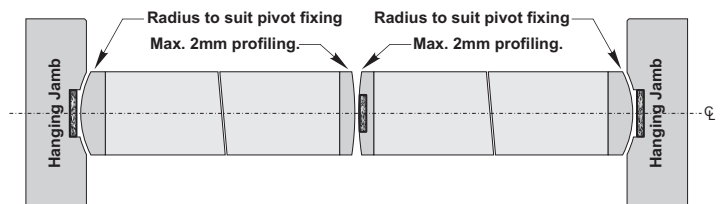
- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Palusol 100 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.40



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Palusol 100 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



FLAMEBREAK 430 **FD30**

25x4mm Lorient 617

Q Single Leaf FD30 applications using 25x4mm Lorient 617 Intumescent Seals.

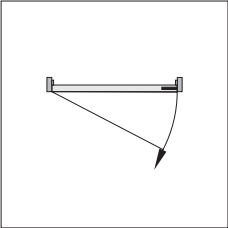
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

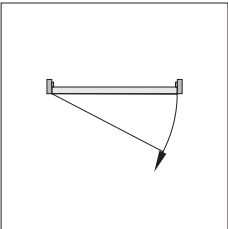


Latched Single leaf Single Action Doorsets:

Jambs & Head = 25x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1387mm
To: 2870 x 1154mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.

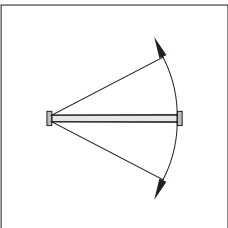


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 25x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1362mm
To: 2820 x 1154mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs & Head = 25x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2390 x 1362mm
To: 2820 x 1154mm

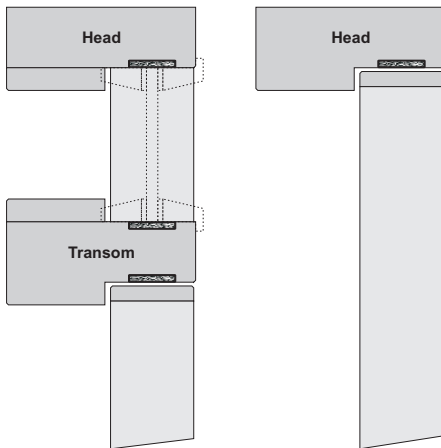
NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



FLAMEBREAK 430

FD30

25x4mm Lorient 617



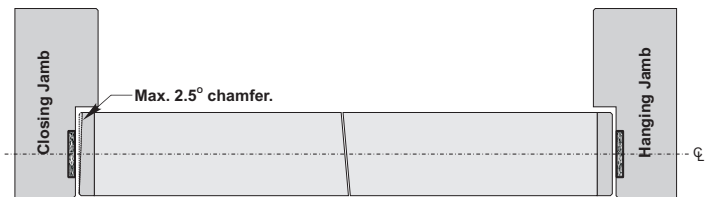
NOTE:

Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)



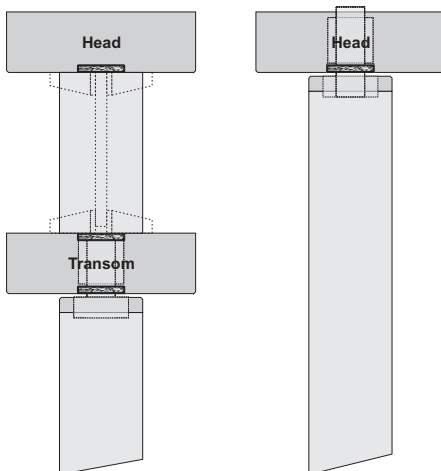
Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

Fig. 4.41



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



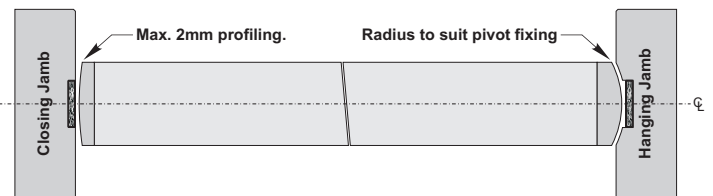
NOTE:

Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)



Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

Fig. 4.42



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



FLAMEBREAK 630
FLAMEBREAK FF630 **FD30**

25x4mm Lorient 617

Q Single Leaf FD30 applications using 25x4mm Lorient 617 Intumescent Seals.

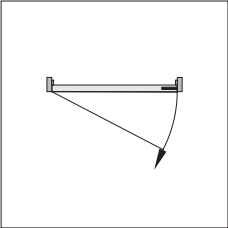
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

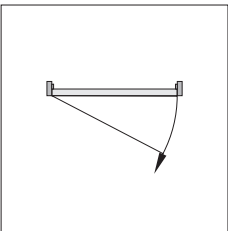


Latched Single leaf Single Action Doorsets:

Jambs & Head = 25x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2440 x 1220mm
To: 2440 x 1220mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.

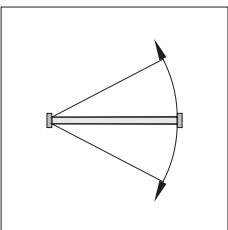


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 25x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2440 x 1220mm
To: 2440 x 1220mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs & Head = 25x4mm PVC encased Lorient 617.

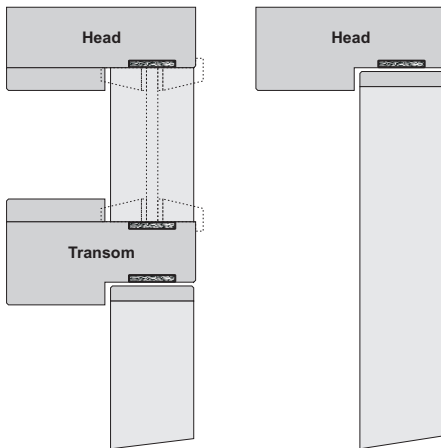
Door Leaf sizes: From: 2440 x 1220mm
To: 2440 x 1220mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



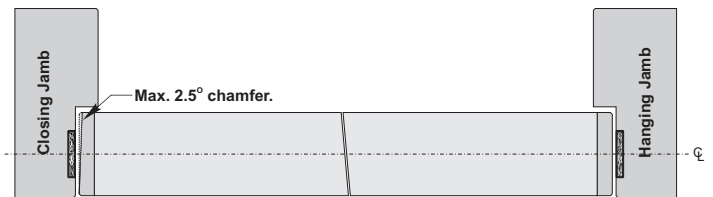
FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

25x4mm Lorient 617



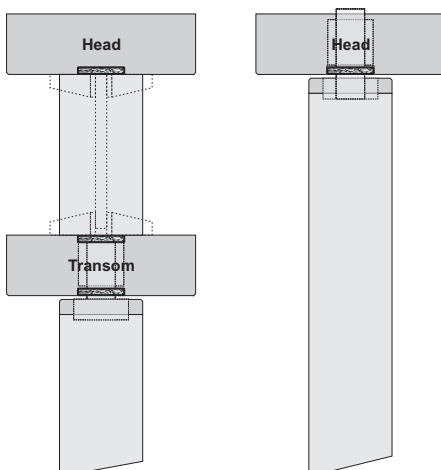
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.43



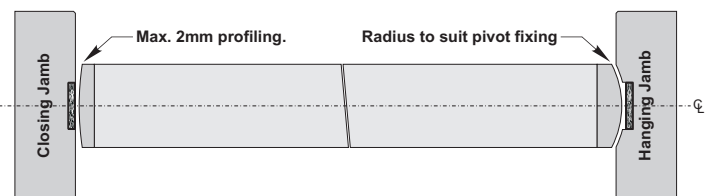
- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.44



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



FLAMEBREAK 430 **FD30**

25x4mm Lorient 617

Q Double Leaf FD30 applications using 25x4mm Lorient 617 Intumescent Seals.

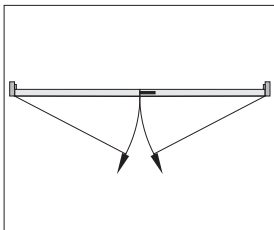
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



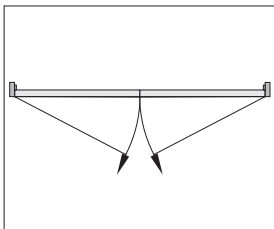
Latched Double leaf Single Action Doorsets (Pairs):

Jambs & Head = 25x4mm PVC encased Lorient 617.

Meeting Stiles (Square) = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x1047mm
To: 2434 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



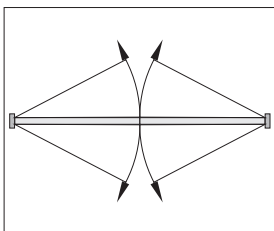
Unlatched Double leaf Single Action Doorsets (Pairs):

Jambs & Head = 25x4mm PVC encased Lorient 617.

Meeting Stiles (Square) = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x1022mm
To: 2384 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



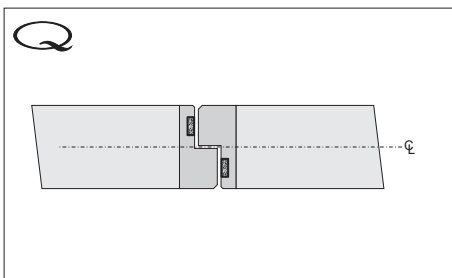
Double Action Double leaf Doorsets (Pairs):

Jambs & Head = 25x4mm PVC encased Lorient 617.

Meeting Stiles = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x1022mm
To: 2384 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



Rebated Meeting Stiles:

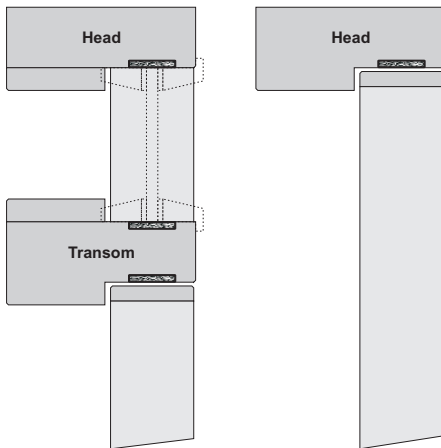
Rebated Meeting Stiles = 10x4mm PVC encased Lorient 617 with one strip located centrally in each rebate.



FLAMEBREAK 430

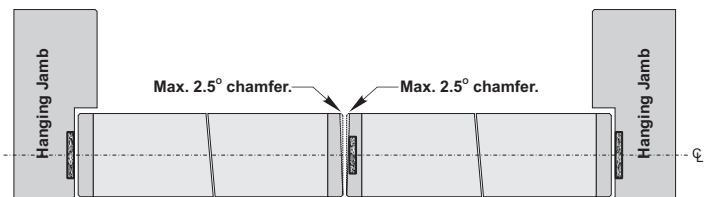
FD30

25x4mm Lorient 617



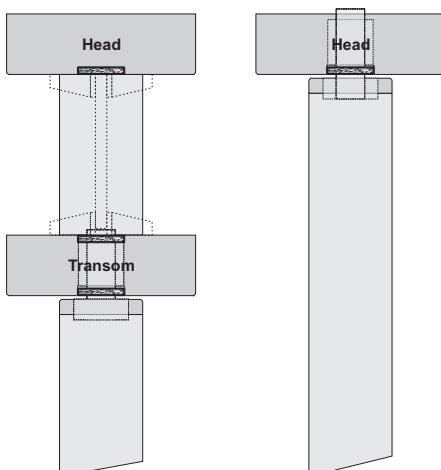
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.45



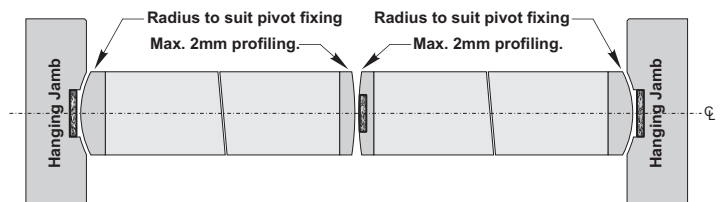
- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Lorient 617 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.46



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Lorient 617 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



FLAMEBREAK 630
FLAMEBREAK FF630 **FD30**

25x4mm Lorient 617

Q Double Leaf FD30 applications using 25x4mm Lorient 617 Intumescent Seals.

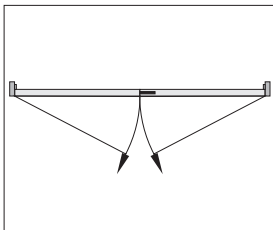
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



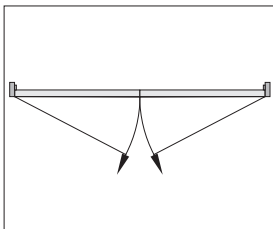
Latched Double leaf Single Action Doorsets (Pairs):

Jambs & Head = 25x4mm PVC encased Lorient 617.

Meeting Stiles (Square) = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x969mm
To: 2252 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



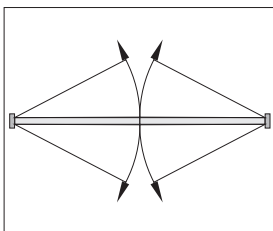
Unlatched Double leaf Single Action Doorsets (Pairs):

Jambs & Head = 25x4mm PVC encased Lorient 617.

Meeting Stiles (Square) = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x944mm
To: 2202 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



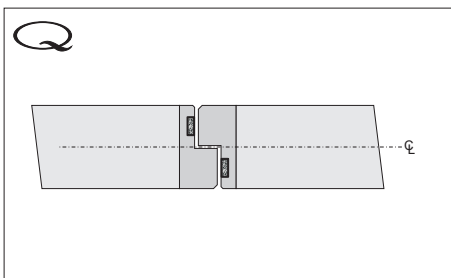
Double Action Double leaf Doorsets (Pairs):

Jambs & Head = 25x4mm PVC encased Lorient 617.

Meeting Stiles = 20x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2135 x 2x944mm
To: 2202 x 2x915mm

NOTE: For storey height doorsets use 25x4mm PVC encased Lorient 617 to all sides of the overpanel.



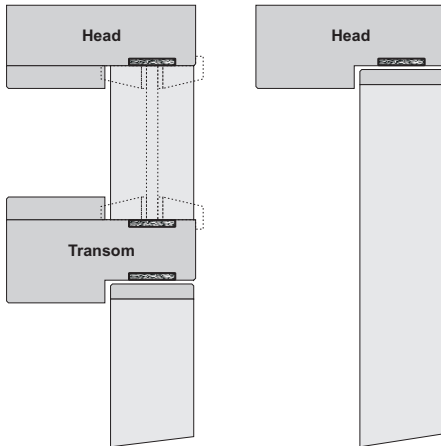
Rebated Meeting Stiles:

Rebated Meeting Stiles = 10x4mm PVC encased Lorient 617 with one strip located centrally in each rebate.



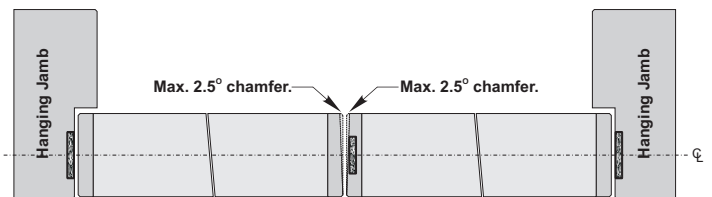
FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

25x4mm Lorient 617



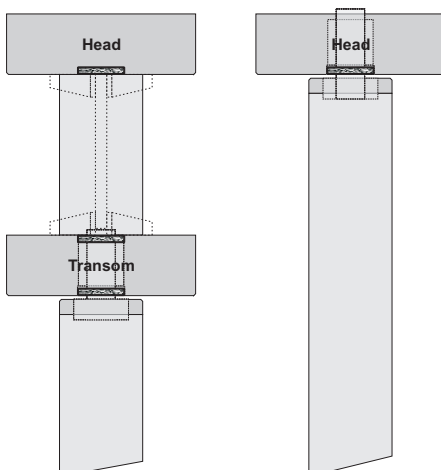
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.47



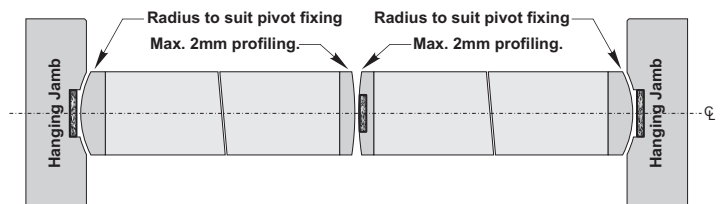
- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Lorient 617 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. Fig. 4.48



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 20x4mm Lorient 617 seal must be fitted to one leaf only, centrally located in the door thickness.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.



**50 Intumescent
Seals FD60**

FLAMEBREAK



Rev.D

FLAMEBREAK 660

FD60

2x15x4mm Pyroplex Rigid Box

**Q Single Leaf FD60 applications using
2No. 15x4mm Pyroplex Rigid Box
Intumescent seals.**

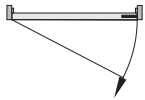
*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door applications.*



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**

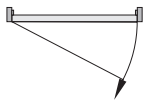


Latched Single leaf Single Action Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2156 x 1019mm
To: 2323 x 936mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*

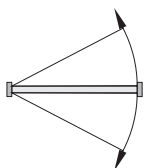


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2156 x 994mm
To: 2273 x 936mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*



Double Action Single leaf Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2156 x 994mm
To: 2273 x 936mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box
to all sides of the overpanel.*



FLAMEBREAK 660

FD60

2x15x4mm Pyroplex Rigid Box

Fig. 4.49

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 5mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.50

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 5mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



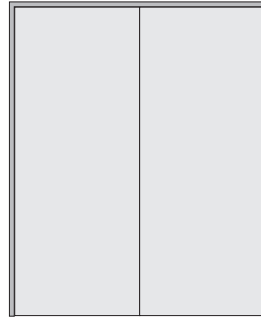
FLAMEBREAK 660

FD60

2x15x4mm Pyroplex Rigid Box

Q Double Leaf FD60 applications using 2No. 15x4mm Pyroplex Rigid Box Intumescent seals.

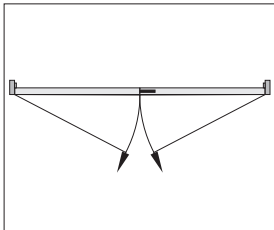
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Doorsets (Pairs):

Jamb = 2x15x4mm PVC encased Pyroplex Rigid Box.

Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

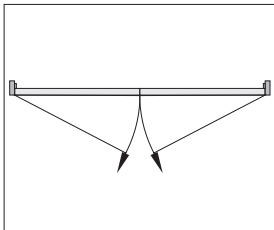
Meeting Stiles = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2156 x 2x969mm

To: 2223 x 2x936mm

NOTE 1: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box seals to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are not 'Q' Mark approved for this application.



Unlatched Double leaf Single Action Doorsets (Pairs):

Jamb = 2x15x4mm PVC encased Pyroplex Rigid Box.

Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

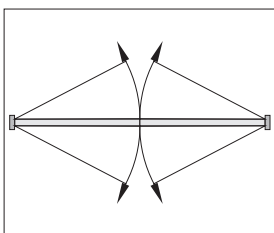
Meeting Stiles = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2156 x 2x944mm

To: 2173 x 2x936mm

NOTE 1: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box seals to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are not 'Q' Mark approved for this application.



Double Action Double leaf Doorsets (Pairs):

Jamb = 2x15x4mm PVC encased Pyroplex Rigid Box.

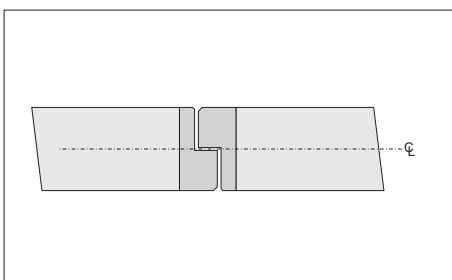
Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

Meeting Stiles = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2156 x 2x944mm

To: 2173 x 2x936mm

NOTE 1: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box seals to all sides of the overpanel.



Rebated Meeting Stiles:

Rebated Meeting stiles are not 'Q' Mark approved for this application.



FLAMEBREAK 660

FD60

2x15x4mm Pyroplex Rigid Box

Fig. 4.51

Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 5mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- At the meeting stiles, 2x15x4mm Pyroplex Rigid Box seals must be fitted to one leaf only, separated by 5mm centrally located in the door thickness.
- For storey height doorsets 2No. 15x4mm Pyroplex Rigid Box intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.52

Q Double Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 5mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- At the meeting stiles, 2x15x4mm Pyroplex Rigid Box seals must be fitted to one leaf only, separated by 5mm centrally located in the door thickness.
- For storey height doorsets 2x15x4mm Pyroplex Rigid Box intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



FLAMEBREAK FF660 FD60

2x15x4mm Pyroplex Rigid Box

Single Leaf FD60 applications using 2No. 15x4mm Pyroplex Rigid Box Intumescent seals.

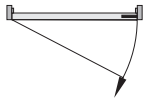
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

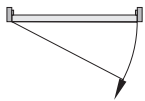


Latched Single leaf Single Action Doorsets:

Jambs & Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2080 x 960mm
To: 2132 x 936mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.

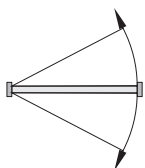


Unlatched Single leaf Single Action Doorsets:

Jambs & Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2080 x 960mm
To: 2132 x 936mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs & Head = 2x15x4mm PVC encased Pyroplex Rigid Box.

Door Leaf sizes: From: 2080 x 960mm
To: 2132 x 936mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



FLAMEBREAK FF660 **FD60**

2x15x4mm Pyroplex Rigid Box

Fig. 4.53

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 5mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.54

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 5mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



**Intumescent
Seals FD60**

FLAMEBREAK



Rev.D

FLAMEBREAK 660

FD60

2x15x4mm Pyrostrip 500P

Q Single Leaf FD60 applications using 2No. 15x4mm Pyrostrip 500P Intumescent seals.

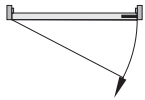
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**

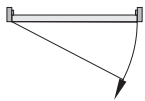


Latched Single leaf Single Action Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyrostrip 500P.

Door Leaf sizes: From: 2380 x 1213mm
To: 2450 x 1179mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P to all sides of the overpanel.

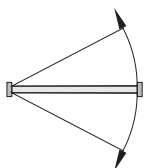


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyrostrip 500P.

Door Leaf sizes: From: 2380 x 1188mm
To: 2400 x 1179mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyrostrip 500P.

Door Leaf sizes: From: 2380 x 1188mm
To: 2400 x 1179mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P to all sides of the overpanel.



FLAMEBREAK 660

FD60

2x15x4mm Pyrostrip 500P

Fig. 4.55

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 10mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.56

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 10mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



FLAMEBREAK 660

FD60

2x15x4mm Pyrostrip 500P

Q Double Leaf FD60 applications using 2No. 15x4mm Pyrostrip 500P Intumescent seals with 30x4mm Head seal.

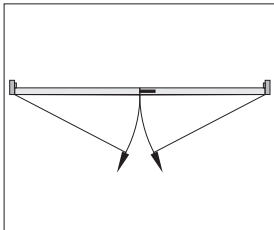
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom

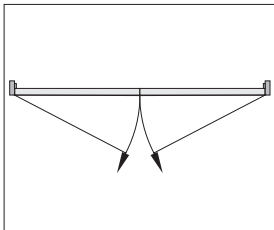


Latched Double leaf Single Action Doorsets (Pairs):

Jambs = 2x15x4mm PVC encased Pyrostrip 500P.
Head = 30x4mm PVC encased Pyrostrip 500P.
Meeting Stiles = 2x15x4mm PVC encased Pyrostrip 500P.
Door Leaf sizes: From: 2155 x 2x960mm
 To: 2205 x 2x935mm

NOTE 1: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P seals to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are not 'Q' Mark approved for this application.

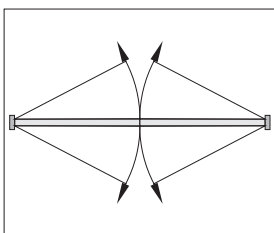


Unlatched Double leaf Single Action Doorsets (Pairs):

Jambs = 2x15x4mm PVC encased Pyrostrip 500P.
Head = 30x4mm PVC encased Pyrostrip 500P.
Meeting Stiles = 2x15x4mm PVC encased Pyrostrip 500P.
Door Leaf sizes: From: 2155 x 2x935mm
 To: 2155 x 2x935mm

NOTE 1: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P seals to all sides of the overpanel.

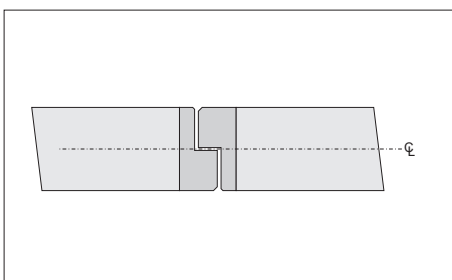
NOTE 2: Rebated Meeting stiles are not 'Q' Mark approved for this application.



Double Action Double leaf Doorsets (Pairs):

Jambs = 2x15x4mm PVC encased Pyrostrip 500P.
Head = 30x4mm PVC encased Pyrostrip 500P.
Meeting Stiles = 2x15x4mm PVC encased Pyrostrip 500P.
Door Leaf sizes: From: 2155 x 2x935mm
 To: 2155 x 2x935mm

NOTE 1: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P seals to all sides of the overpanel.



Rebated Meeting Stiles:

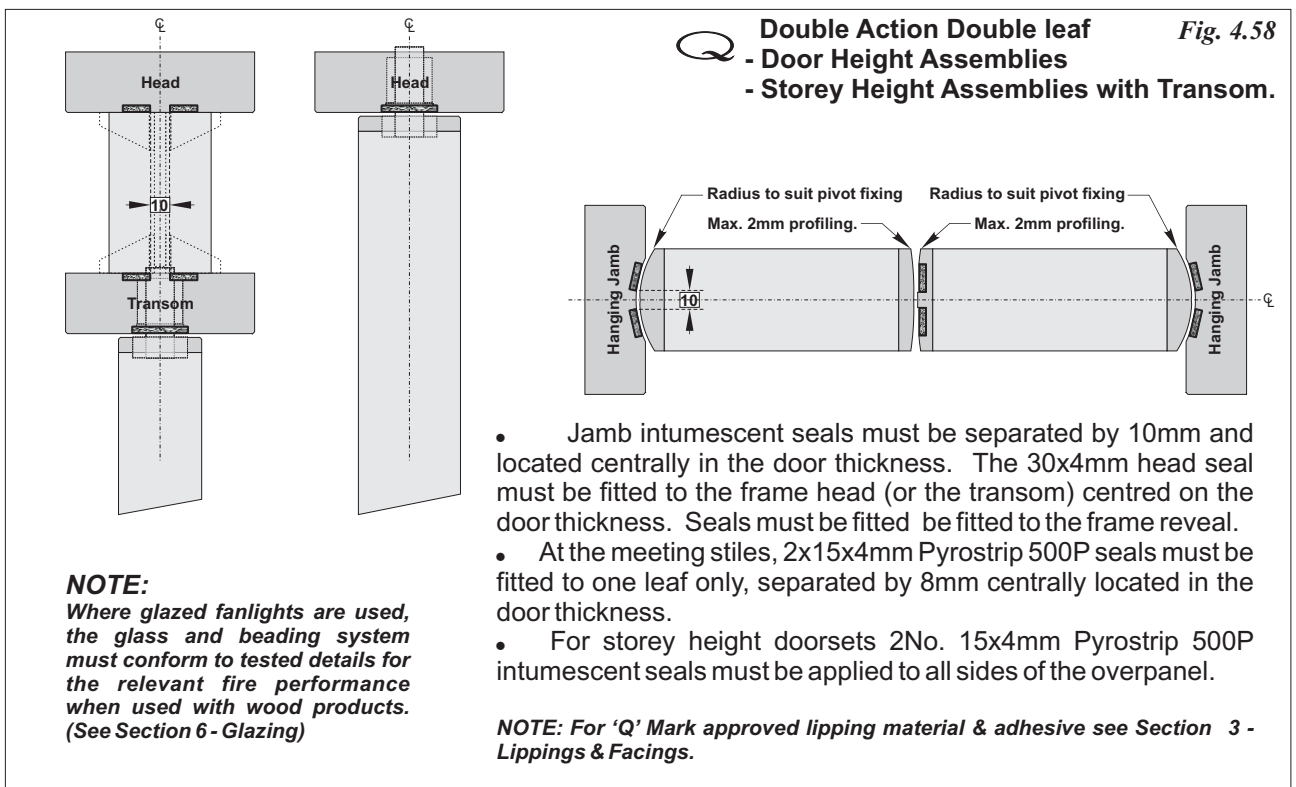
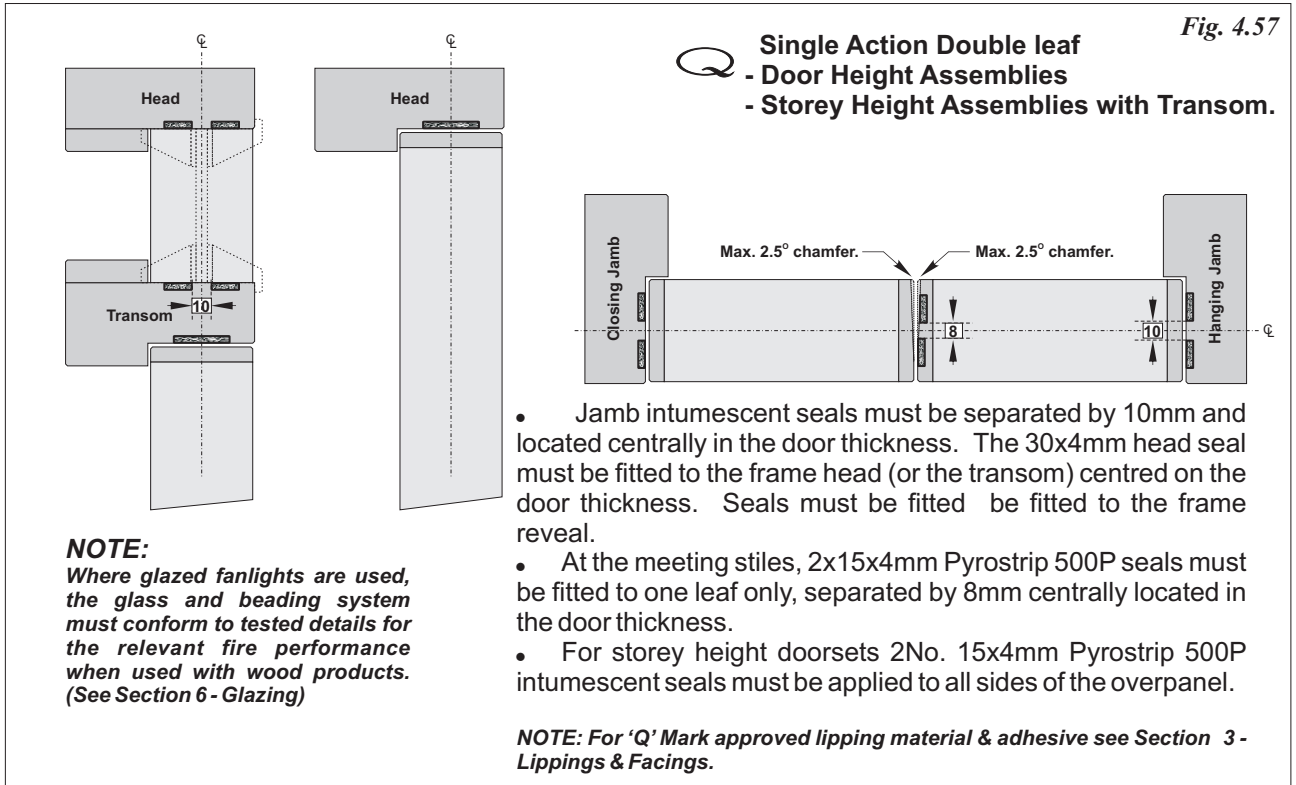
Rebated Meeting stiles are not 'Q' Mark approved for this application.



FLAMEBREAK 660

FD60

2x15x4mm Pyrostrip 500P





60 Intumescent
Seals FD60

FLAMEBREAK



Rev.D

FLAMEBREAK FF660 **FD60**

2x15x4mm Pyrostrip 500P

Q Single Leaf FD60 applications using 2No. 15x4mm Pyrostrip 500P Intumescent seals.

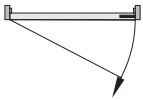
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**

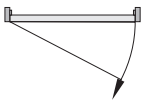


Latched Single leaf Single Action Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyrostrip 500P.

Door Leaf sizes: From: 2080 x 960mm
To: 2132 x 936mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P to all sides of the overpanel.

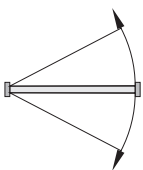


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyrostrip 500P.

Door Leaf sizes: From: 2080 x 960mm
To: 2132 x 936mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jams & Head = 2x15x4mm PVC encased Pyrostrip 500P.

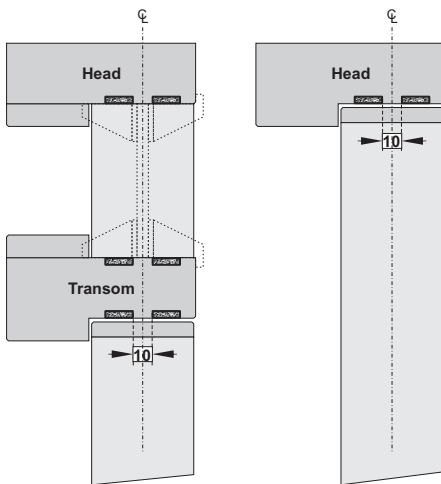
Door Leaf sizes: From: 2080 x 960mm
To: 2132 x 936mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Pyrostrip 500P to all sides of the overpanel.



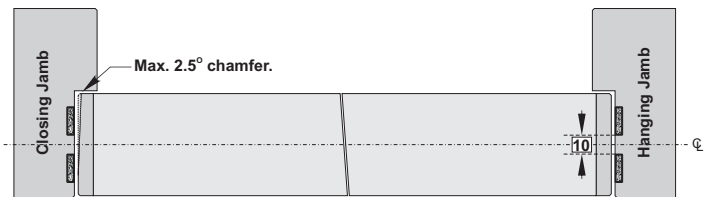
FLAMEBREAK FF660 **FD60**

2x15x4mm Pyrostrip 500P



Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

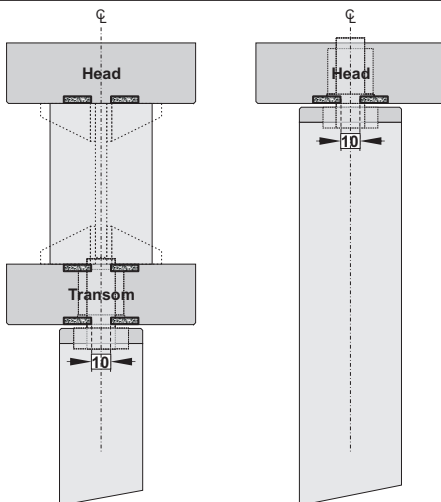
Fig. 4.59



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

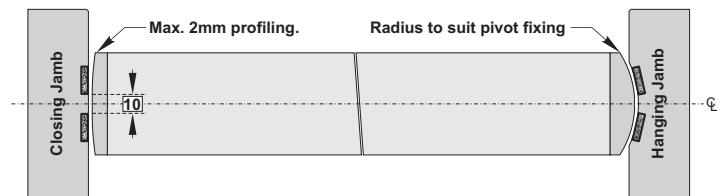
- Intumescent seals must be separated by 10mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

Fig. 4.60



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Intumescent seals must be separated by 10mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



62 Intumescent
Seals FD60

FLAMEBREAK



Rev.D

FLAMEBREAK 660

FD60

2x15x4mm Palusol 100

Q Single Leaf FD60 applications using
2No. 15x4mm Palusol 100 Intumescent
seals with 30x4mm Head seal.

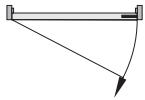
*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door applications.*



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**



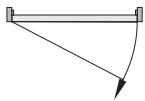
Latched Single leaf Single Action Doorsets:

Jambs = 2x15x4mm PVC encased Palusol 100.

Head = 30x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2062 x 960mm
To: 2112 x 935mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Palusol 100 to all
sides of the overpanel.*



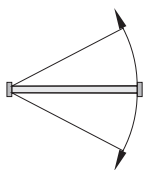
Unlatched Single leaf Single Action Doorsets:

Jambs = 2x15x4mm PVC encased Palusol 100.

Head = 30x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2062 x 935mm
To: 2062 x 935mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Palusol 100 to all
sides of the overpanel.*



Double Action Single leaf Doorsets:

Jambs = 2x15x4mm PVC encased Palusol 100.

Head = 30x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2062 x 935mm
To: 2062 x 935mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Palusol 100 to all
sides of the overpanel.*



FLAMEBREAK 660

FD60

2x15x4mm Palusol 100

Fig. 4.61

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

- Jamb intumescent seals must be separated by 10mm and located centrally in the door thickness. The 30x4mm head seal must be fitted to the frame head (or the transom) centred on the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2No. 15x4mm Palusol 100 intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Fig. 4.62

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

- Jamb intumescent seals must be separated by 10mm and located centrally in the door thickness. The 30x4mm head seal must be fitted to the frame head (or the transom) centred on the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2No. 15x4mm Palusol 100 intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)



**Intumescent
Seals FD60**

FLAMEBREAK



Rev.D

FLAMEBREAK FF660 **FD60**

2x15x4mm Palusol 100

Q Single Leaf FD60 applications using 2No. 15x4mm Palusol 100 Intumescent seals with 30x4mm Head seal.

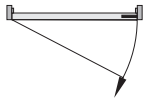
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**



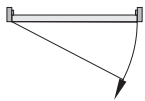
Latched Single leaf Single Action Doorsets:

Jambs = 2x15x4mm PVC encased Palusol 100.

Head = 30x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2062 x 960mm
To: 2112 x 935mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Palusol 100 to all sides of the overpanel.



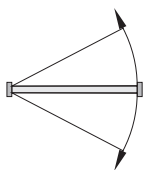
Unlatched Single leaf Single Action Doorsets:

Jambs = 2x15x4mm PVC encased Palusol 100.

Head = 30x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2062 x 935mm
To: 2062 x 935mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Palusol 100 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs = 2x15x4mm PVC encased Palusol 100.

Head = 30x4mm PVC encased Palusol 100.

Door Leaf sizes: From: 2062 x 935mm
To: 2062 x 935mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Palusol 100 to all sides of the overpanel.



FLAMEBREAK FF660 **FD60**

2x15x4mm Palusol 100

Fig. 4.63

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Jamb intumescent seals must be separated by 10mm and located centrally in the door thickness. The 30x4mm head seal must be fitted to the frame head (or the transom) centred on the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2No. 15x4mm Palusol 100 intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.64

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

- Jamb intumescent seals must be separated by 10mm and located centrally in the door thickness. The 30x4mm head seal must be fitted to the frame head (or the transom) centred on the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2No. 15x4mm Palusol 100 intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



66 Intumescent
Seals FD60

FLAMEBREAK



Rev.D

FLAMEBREAK 660

FD60

2x15x4mm Lorient 617

Single Leaf FD60 applications using
2No. 15x4mm Lorient 617 Intumescent
seals with 30x4mm Head seal.

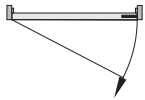
*NOTE: See Section 7 - Doorframes for 'Q' Mark approved
minimum frame section dimensions for fire door applications.*



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom



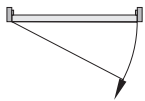
Latched Single leaf Single Action Doorsets:

Jambs = 2x15x4mm PVC encased Lorient 617.

Head = 30x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2062 x 960mm
To: 2112 x 935mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Lorient 617 to all
sides of the overpanel.*



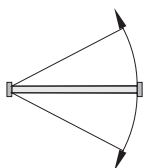
Unlatched Single leaf Single Action Doorsets:

Jambs = 2x15x4mm PVC encased Lorient 617.

Head = 30x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2062 x 955mm
To: 2062 x 935mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Lorient 617 to all
sides of the overpanel.*



Double Action Single leaf Doorsets:

Jambs = 2x15x4mm PVC encased Lorient 617.

Head = 30x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2062 x 955mm
To: 2062 x 935mm

*NOTE: For storey height doorsets use 2x15x4mm PVC encased Lorient 617 to all
sides of the overpanel.*

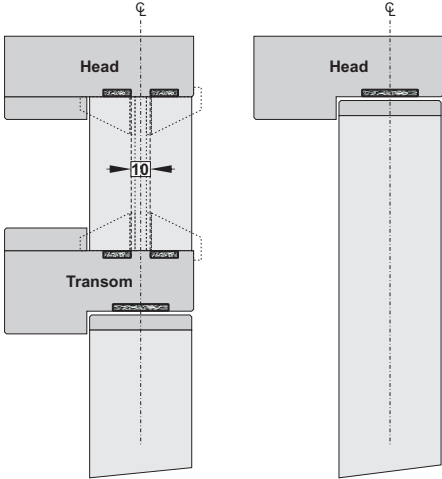


FLAMEBREAK 660

FD60

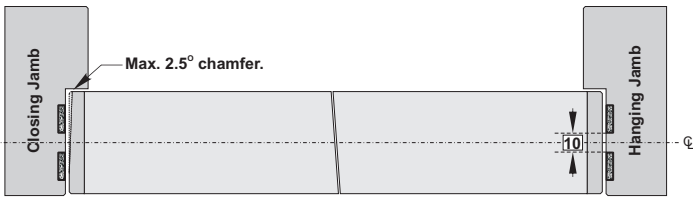
2x15x4mm Lorient 617

Fig. 4.65



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

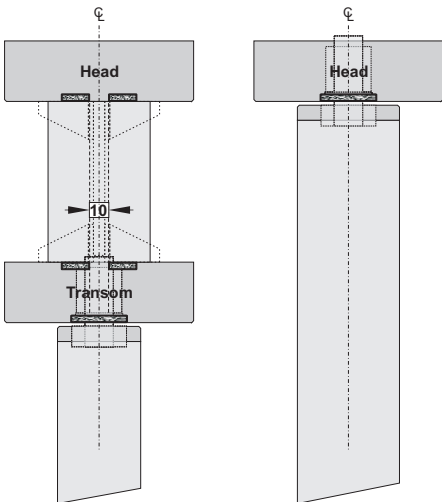
Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



- Jamb intumescent seals must be separated by 10mm and located centrally in the door thickness. The 30x4mm head seal must be fitted to the frame head (or the transom) centred on the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2No. 15x4mm Lorient 617 intumescent seals must be applied to all sides of the overpanel.

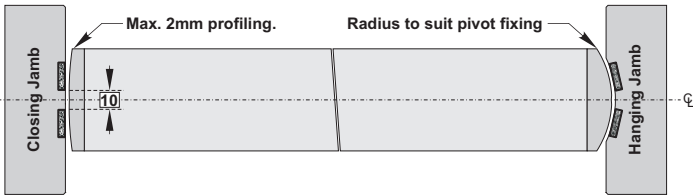
NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

Fig. 4.66



NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.



- Jamb intumescent seals must be separated by 10mm and located centrally in the door thickness. The 30x4mm head seal must be fitted to the frame head (or the transom) centred on the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2No. 15x4mm Lorient 617 intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



**Intumescent
Seals FD60**

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Rev.D

FLAMEBREAK FF660 **FD60**

2x15x4mm Lorient 617

Single Leaf FD60 applications using 2No. 15x4mm Lorient 617 Intumescent seals with 30x4mm Head seal.

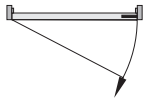
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Single leaf
Door Height
Doorsets**



**Single leaf
Storey Height
Doorsets
with Transom**



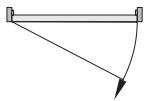
Latched Single leaf Single Action Doorsets:

Jambs = 2x15x4mm PVC encased Lorient 617.

Head = 30x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2062 x 960mm
To: 2112 x 935mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Lorient 617 to all sides of the overpanel.



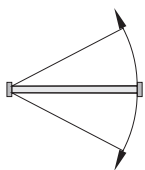
Unlatched Single leaf Single Action Doorsets:

Jambs = 2x15x4mm PVC encased Lorient 617.

Head = 30x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2062 x 955mm
To: 2062 x 935mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Lorient 617 to all sides of the overpanel.



Double Action Single leaf Doorsets:

Jambs = 2x15x4mm PVC encased Lorient 617.

Head = 30x4mm PVC encased Lorient 617.

Door Leaf sizes: From: 2062 x 955mm
To: 2062 x 935mm

NOTE: For storey height doorsets use 2x15x4mm PVC encased Lorient 617 to all sides of the overpanel.



FLAMEBREAK FF660 **FD60**

2x15x4mm Lorient 617

Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

Fig. 4.67

- Jamb intumescent seals must be separated by 10mm and located centrally in the door thickness. The 30x4mm head seal must be fitted to the frame head (or the transom) centred on the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2No. 15x4mm Lorient 617 intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

Fig. 4.68

- Jamb intumescent seals must be separated by 10mm and located centrally in the door thickness. The 30x4mm head seal must be fitted to the frame head (or the transom) centred on the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2No. 15x4mm Lorient 617 intumescent seals must be applied to all sides of the overpanel.

NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3-Lippings & Facings.

NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. (See Section 6 - Glazing)

