

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 door assemblies.

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(s) (preferably, in 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 1: See seal location drawings in this Section, some seals must essentially be fitted to the frame head.

NOTE: Concealed intumescent systems are not approved for 'Q' mark applications with FLAMEBREAK™ based doors.

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.,

Ground Floor Suite, Block B,
The Old Kelways
Somerton Road
Langport,
Somerset TA10 9SJ

Tel: +44 (0) 1458 252 305

E-mail: enquiries@prwuk.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 door assembly is not approved.



FLAMEBREAK 430 **FD30**

10x4mm Pyroplex Rigid Box

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

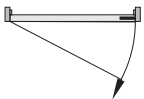
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

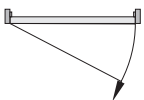


Latched Single leaf Single Action Door Assemblies:

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

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

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

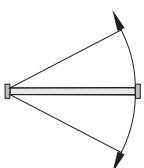


Unlatched Single leaf Single Action Door Assemblies:

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

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

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



Double Action Single leaf Doorsets:

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

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

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



FLAMEBREAK 430

FD30

10x4mm Pyroplex Rigid Box

Fig. 4.1

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 door assemblies 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

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 door assemblies 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.



4.4 Intumescent Seals

FLAMEBREAK

FLAMEBREAK FF630 **FD30**

10x4mm Pyroplex Rigid Box

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

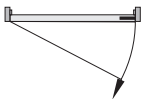
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

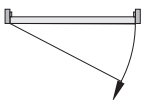


Latched Single leaf Single Action Door Assemblies:

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

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

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

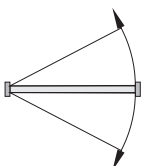


Unlatched Single leaf Single Action Door Assemblies:

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

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

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



Double Action Single leaf Doorsets:

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

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

NOTE: For storey height door assemblies 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 door assemblies 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 door assemblies 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.



4.6 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

2x10x4mm Pyroplex Rigid Box

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

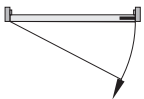
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

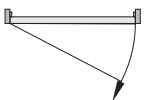


Latched Single leaf Single Action Door Assemblies:

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

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

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

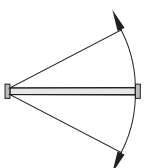


Unlatched Single leaf Single Action Door Assemblies:

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

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

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



Double Action Single leaf Doorsets:

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

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

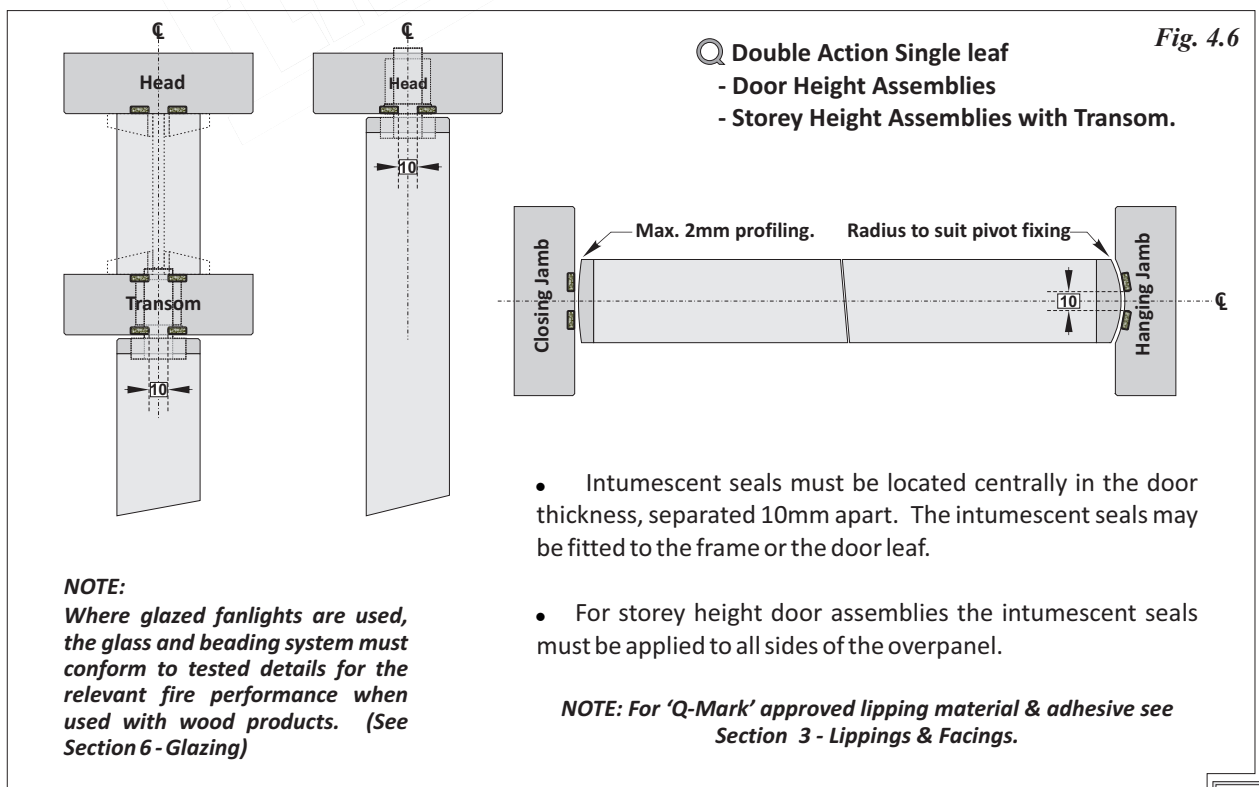
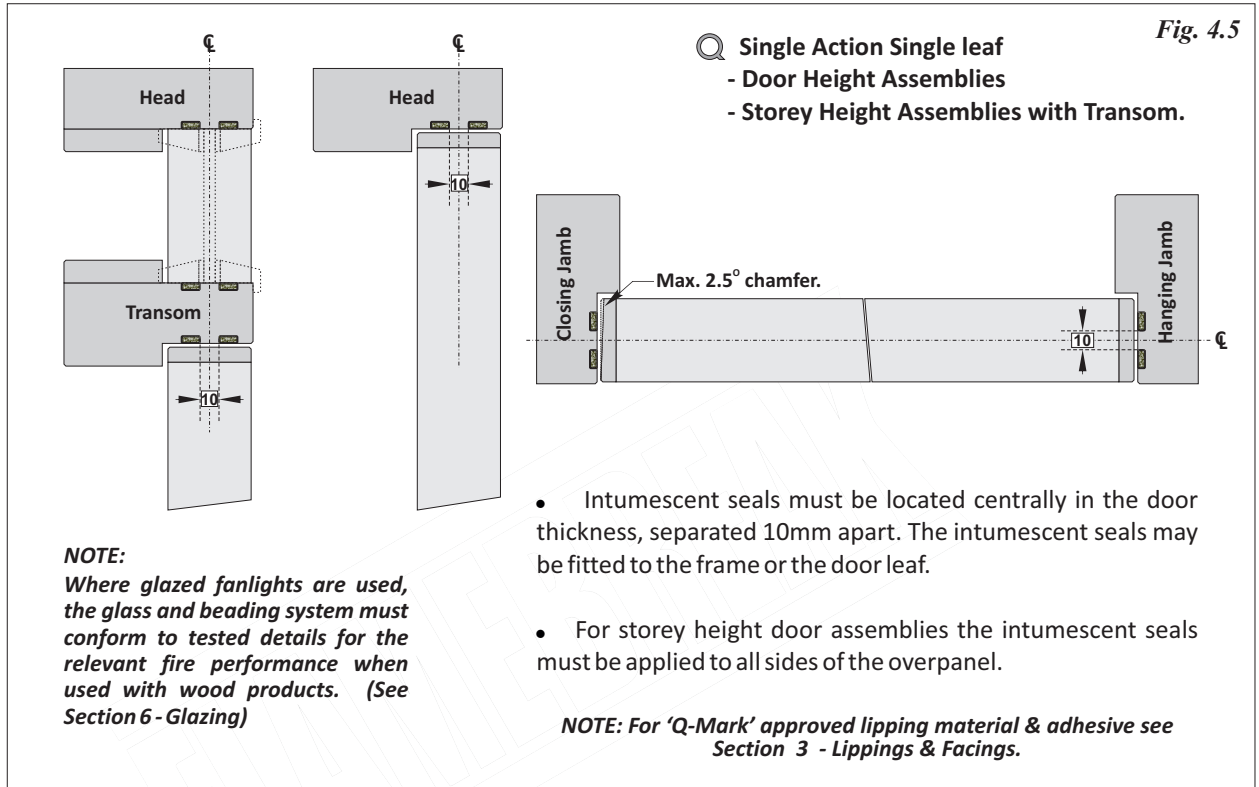
NOTE: For storey height door assemblies use 2No. 10x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



FLAMEBREAK 430 FLAMEBREAK 630 FLAMEBREAK FF630

FD30

2x10x4mm Pyroplex Rigid Box



4.8 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

2x10x4mm Pyroplex Rigid Box

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

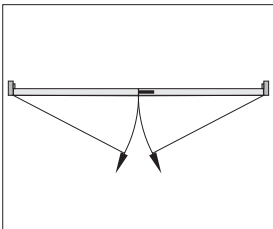
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

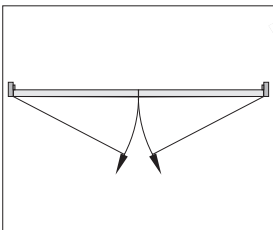
Jams & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

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

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

NOTE 1: For storey height door assemblies 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 Door Assemblies (Pairs):

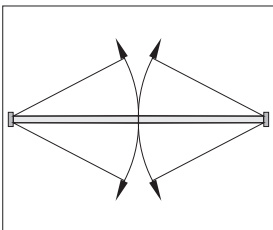
Jams & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

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

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

NOTE 1: For storey height door assemblies 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.



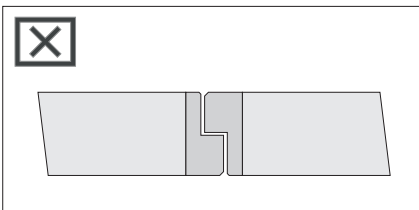
Double Action Double leaf Door Assemblies (Pairs):

Jams & 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 door assemblies 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
FLAMEBREAK 630
FLAMEBREAK FF630 **FD30**

2x10x4mm Pyroplex Rigid Box

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

Fig. 4.7

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)

- Perimeter 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.
- At the meeting stiles, 2x10x4mm seals must be fitted to one leaf only, separated by 10mm centrally located in the door thickness.
- For storey height door assemblies 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 Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

Fig. 4.8

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)

- Perimeter 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.
- At the meeting stiles, 2x10x4mm seals must be fitted to one leaf only, separated by 10mm centrally located in the door thickness.
- For storey height door assemblies 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.



4.10 Intumescent Seals

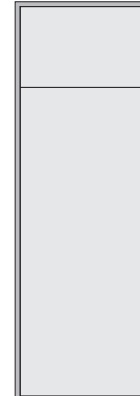
FLAMEBREAK

FLAMEBREAK 430 FD30

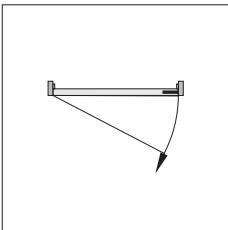
2x10x4mm Pyroplex Rigid Box

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
Storey Height Door Assemblies
with Flush Overpanel



Latched Single leaf Single Action Storey Height Door Assembly with Flush Overpanel:

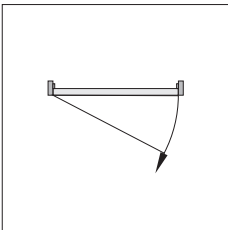
Jamb & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

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 Door Assemblies with Flush Overpanel:

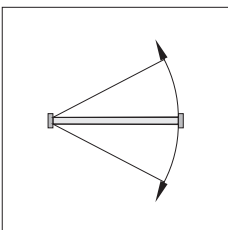
Jamb & Head = 2No.10x4mm PVC encased Pyroplex Rigid Box.

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 Door Assemblies with Flush Overpanel:

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

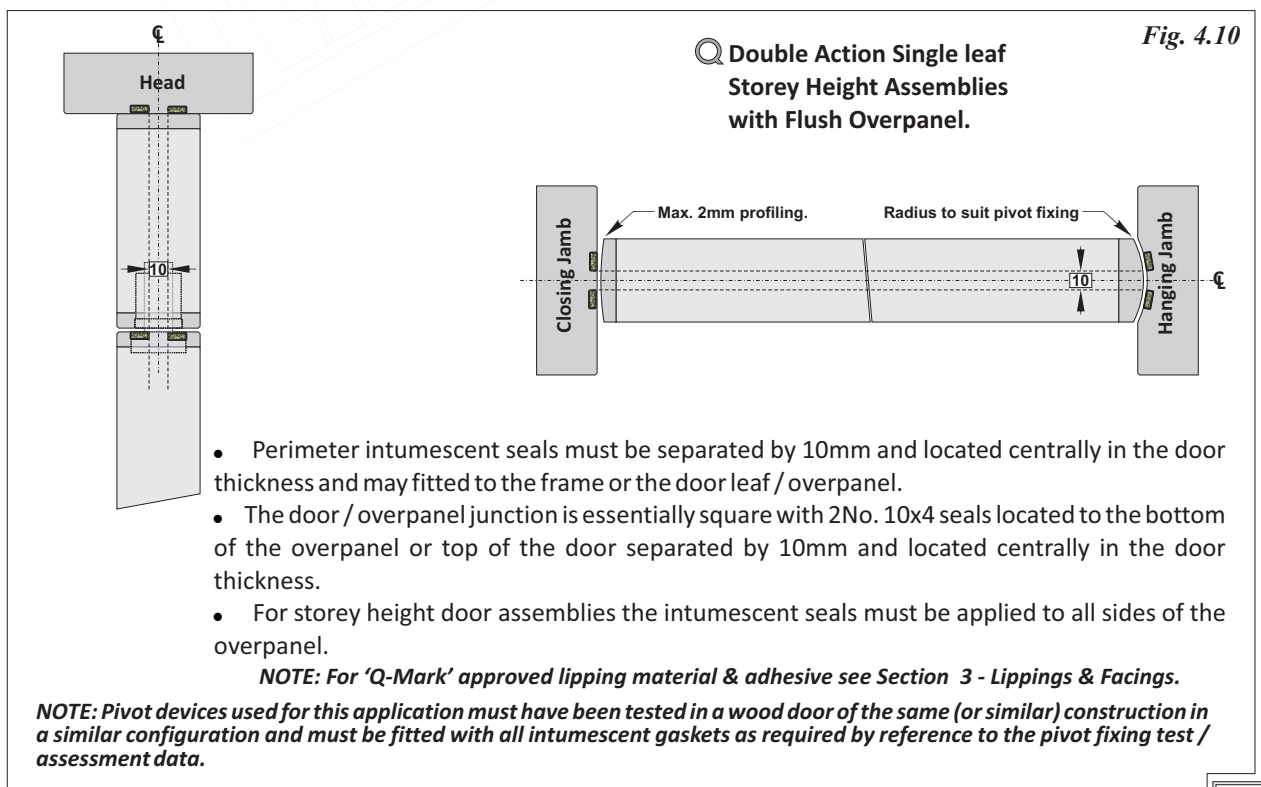
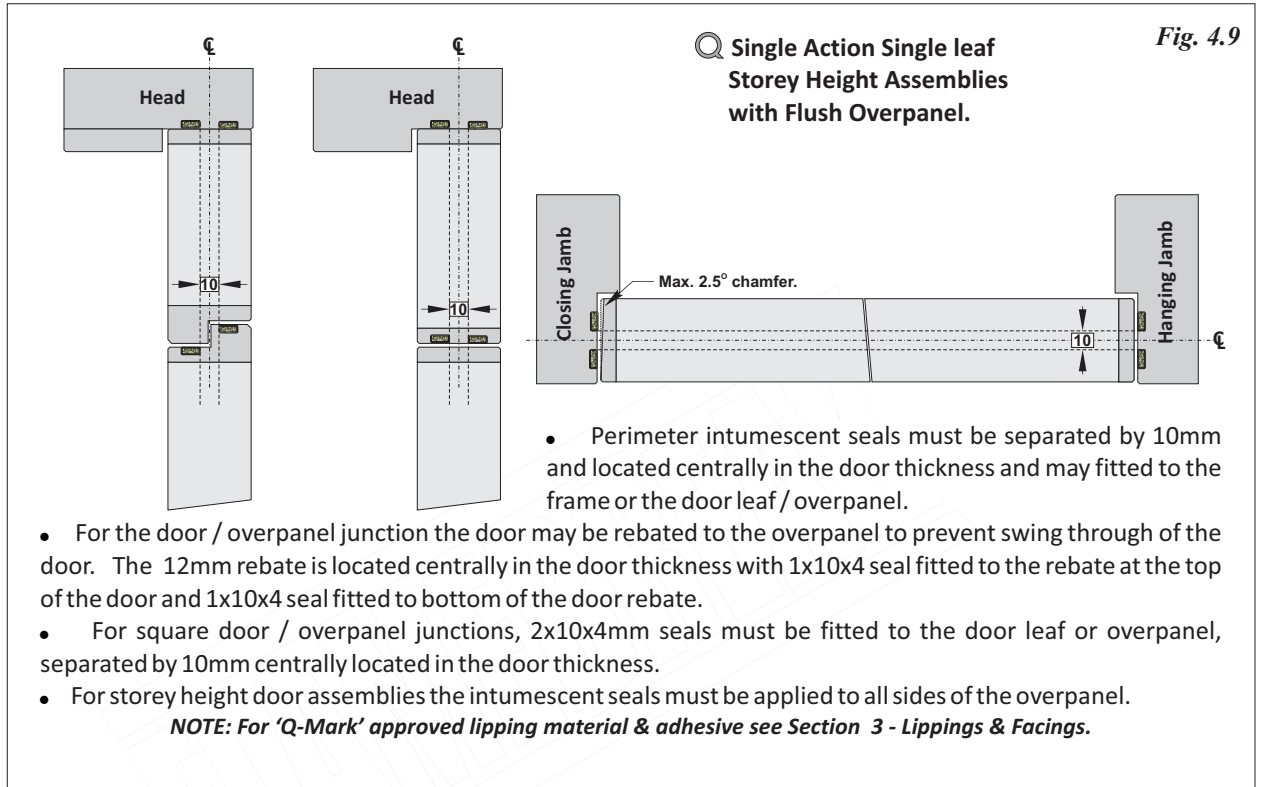
NOTE: Use 2No. 10x4mm PVC encased Pyroplex Rigid Box to top and sides of the overpanel - See details.



FLAMEBREAK 430

FD30

2x10x4mm Pyroplex Rigid Box



4.12 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430 FD30

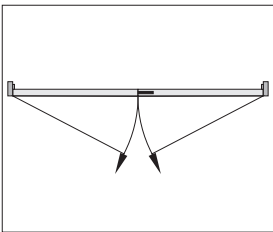
2x10x4mm Pyroplex Rigid Box

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 Door Assemblies with Flush Overpanel



Latched Double leaf Single Action Door Assemblies (Pairs) with Flush Overpanels:

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

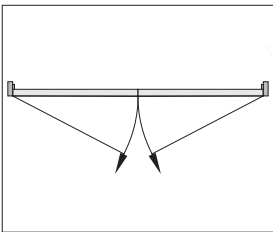
Meeting Stiles = 2No.10x4mm PVC encased Pyroplex Rigid Box.

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 Door Assemblies (Pairs) with Flush Overpanels:

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

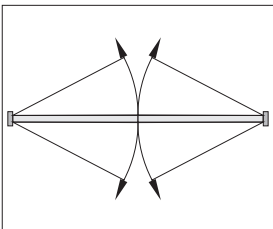
Meeting Stiles = 2No.10x4mm PVC encased Pyroplex Rigid Box.

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 Door Assemblies (Pairs) with Flush Overpanels:

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



Rebated Meeting Stiles:

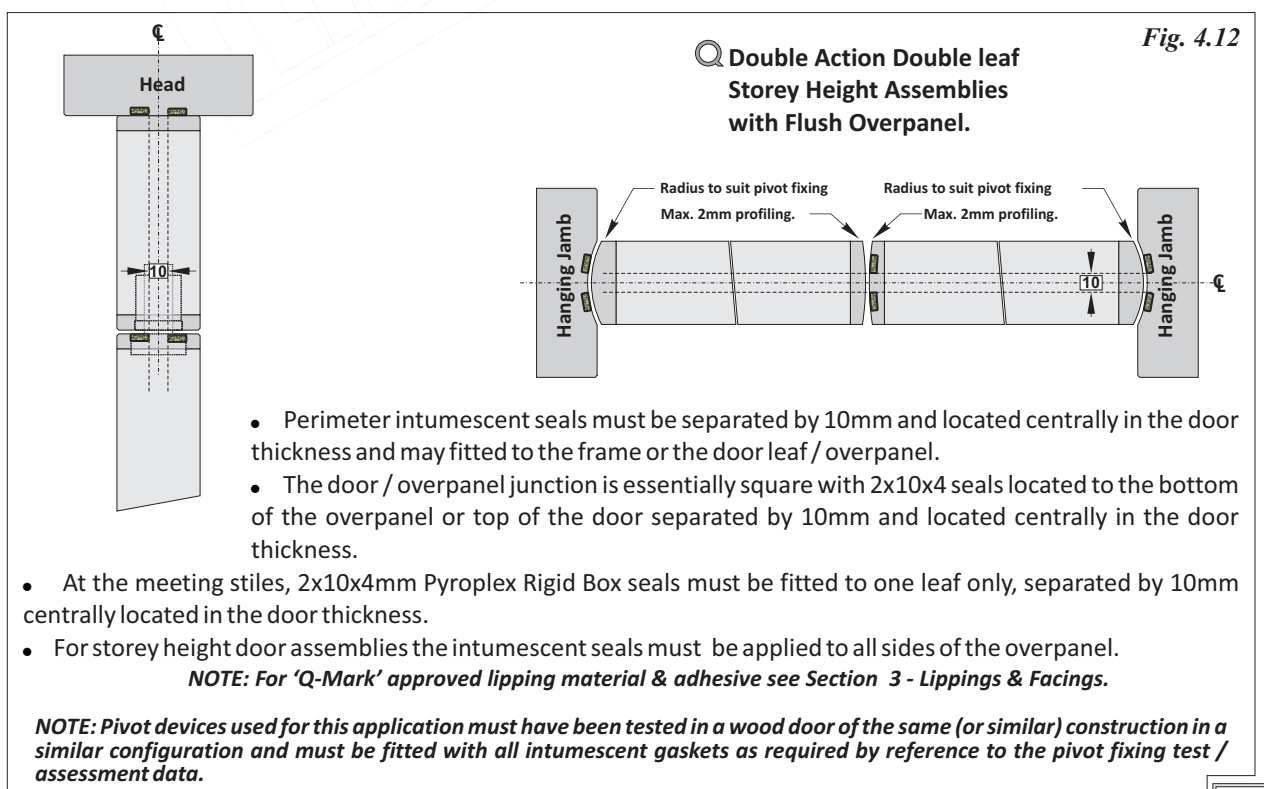
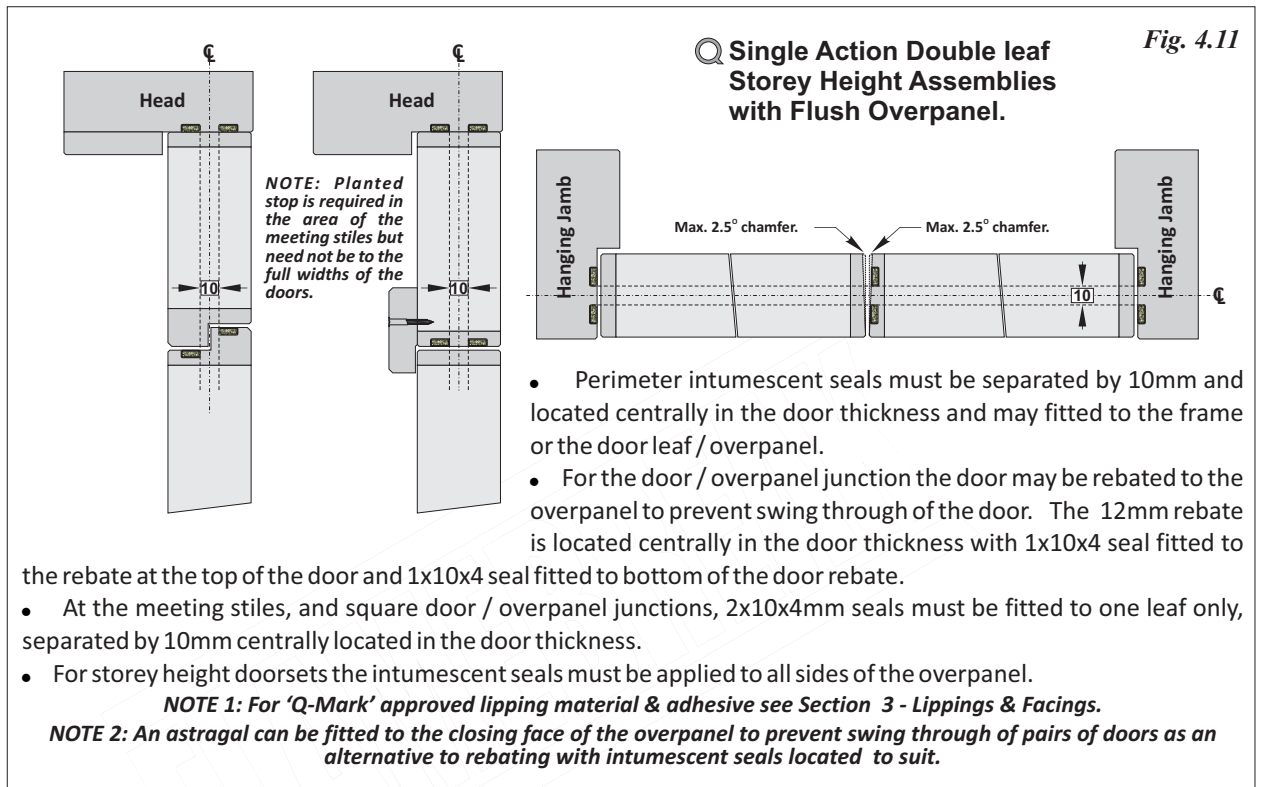
Rebated Meeting stiles are not 'Q-Mark' approved for this application.



FLAMEBREAK 430

FD30

2x10x4mm Pyroplex Rigid Box



4.14 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430 FLAMEBREAK 630 **FD30**

15x4mm Pyroplex Rigid Box

Q Single Leaf FD30 applications using 15x4mm Pyroplex Rigid Box Intumescent seals.

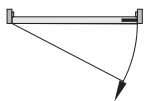
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

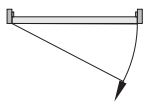


Latched Single leaf Single Action Door Assemblies:

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

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

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

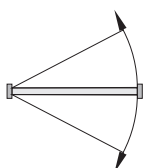


Unlatched Single leaf Single Action Door Assemblies:

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

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

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



Double Action Single leaf Door Assemblies:

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

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

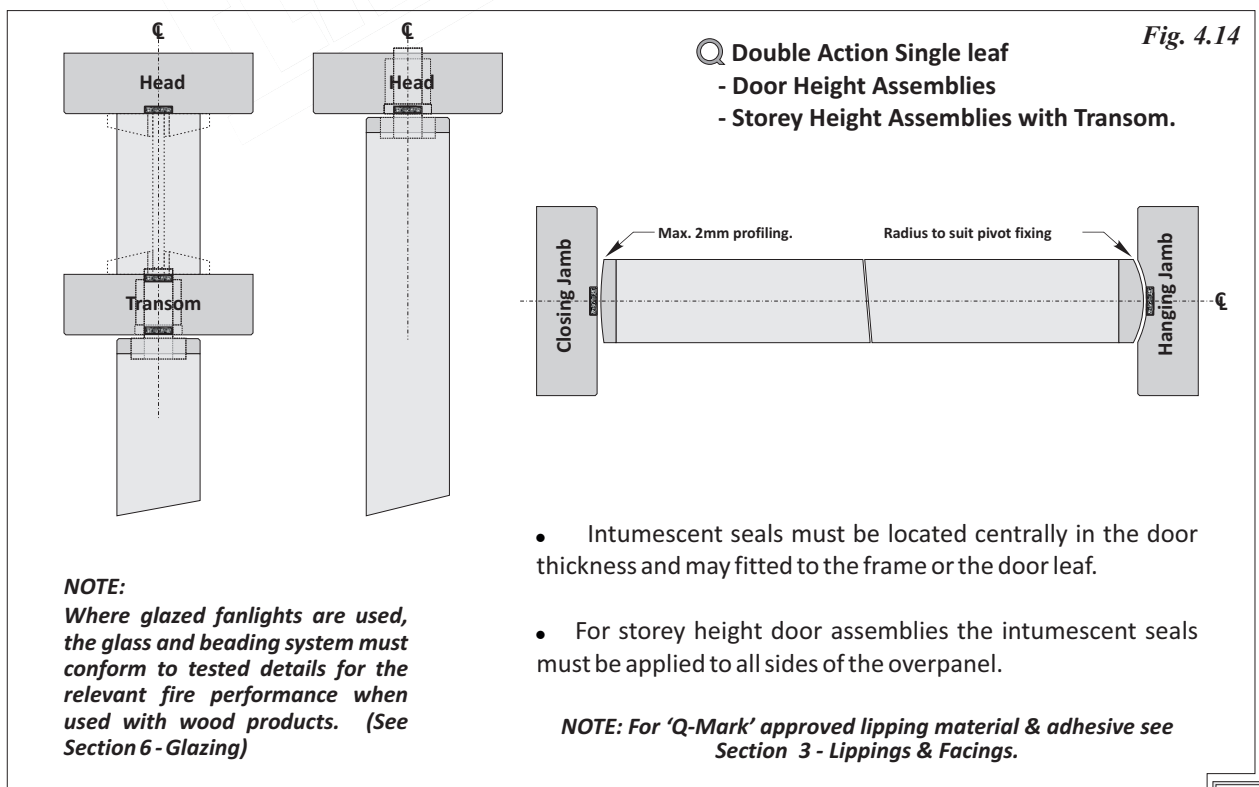
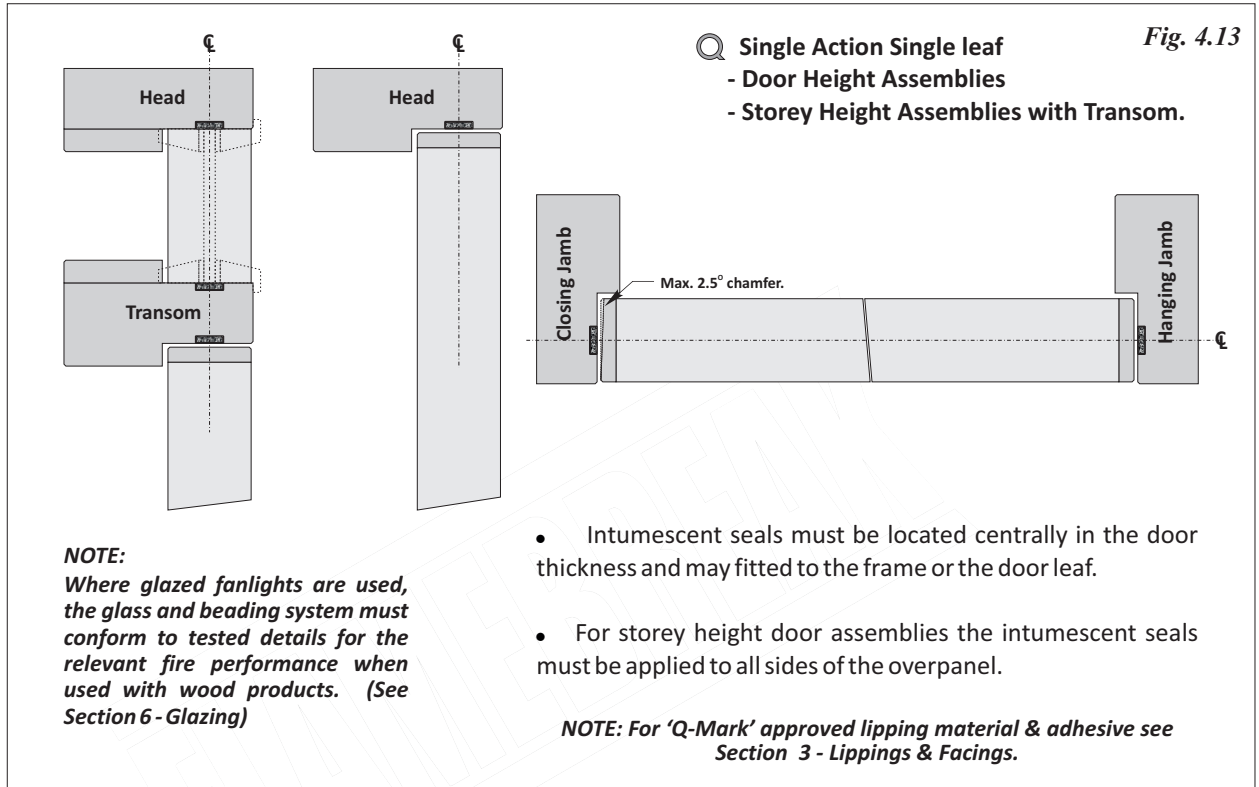
NOTE: For storey height door assemblies use 15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



FLAMEBREAK 430
FLAMEBREAK 630

FD30

15x4mm Pyroplex Rigid Box



4.16 Intumescent Seals

FLAMEBREAK

FLAMEBREAK FF630 **FD30**

15x4mm Pyroplex Rigid Box

Q Single Leaf FD30 applications using 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

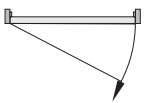


Latched Single leaf Single Action Door Assemblies:

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

Door Leaf sizes: From: 2145 x 1067mm
To: 2600 x 826mm

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

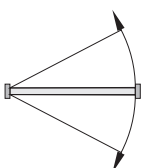


Unlatched Single leaf Single Action Door Assemblies:

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

Door Leaf sizes: From: 2145 x 1042mm
To: 2550 x 826mm

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



Double Action Single leaf Door Assemblies:

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

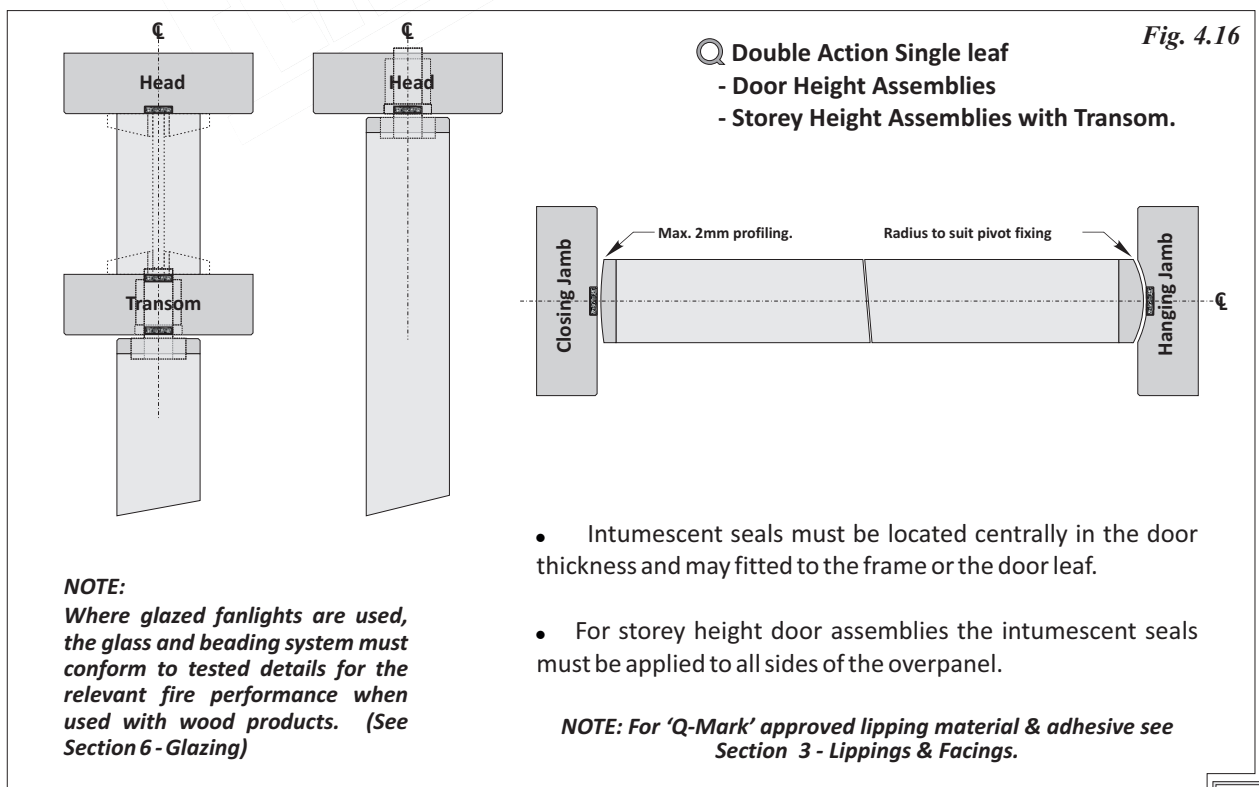
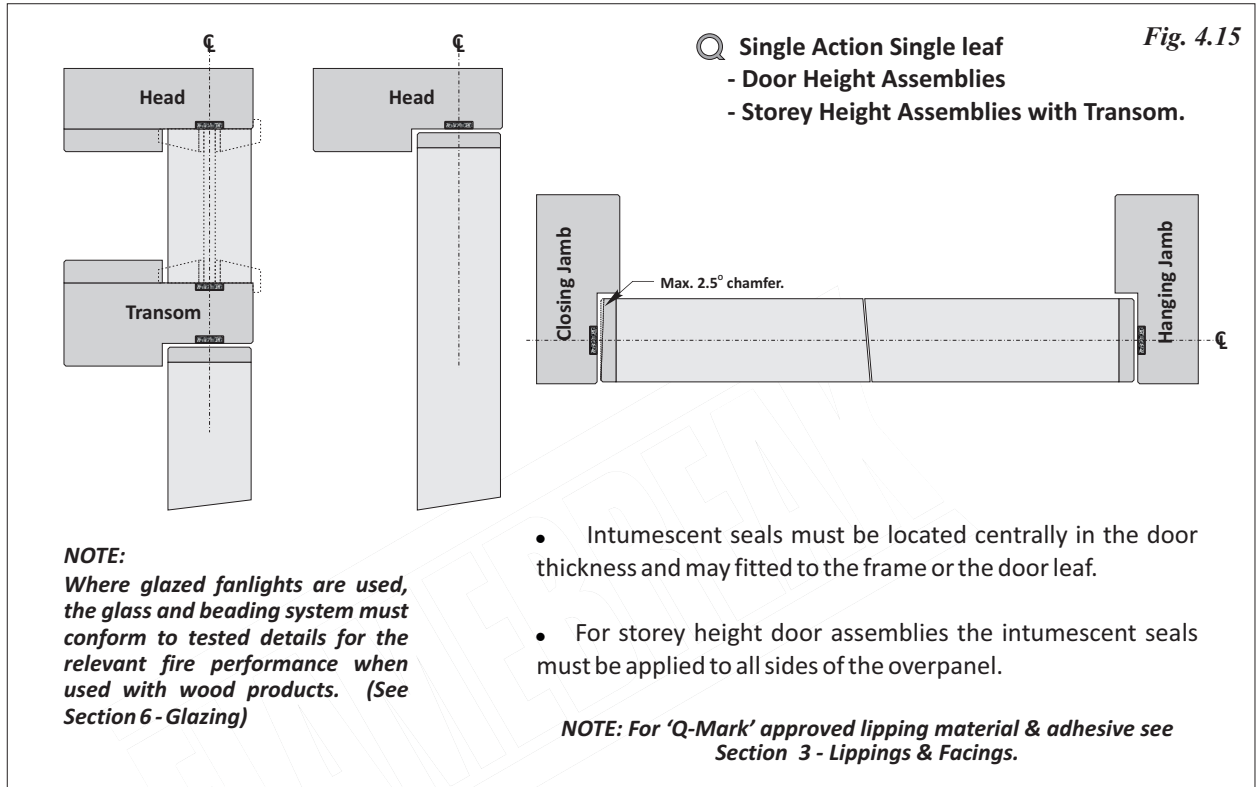
Door Leaf sizes: From: 2145 x 1042mm
To: 2550 x 826mm

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



FLAMEBREAK FF630 FD30

15x4mm Pyroplex Rigid Box



4.18 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

15x4mm Pyroplex Rigid Box

Q Double Leaf FD30 applications using 15x4mm Pyroplex Rigid Box Intumescent seals.

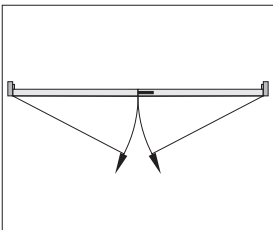
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

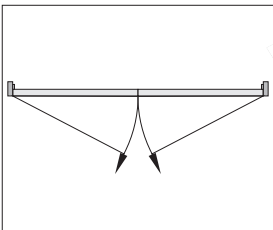
Jamb & Head = 15x4mm PVC encased Pyroplex Rigid Box.

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

Door Leaf sizes: From: 2145 x 2x1067mm
To: 2463 x 2x927mm

NOTE 1: For storey height door assemblies use 15x4mm 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 Door Assemblies (Pairs):

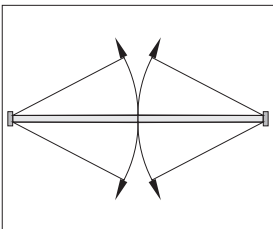
Jamb & Head = 15x4mm PVC encased Pyroplex Rigid Box.

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

Door Leaf sizes: From: 2145 x 2x1042mm
To: 2413 x 2x927mm

NOTE 1: For storey height door assemblies use 15x4mm 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 Door Assemblies (Pairs):

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

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

Door Leaf sizes: From: 2145 x 2x1042mm
To: 2413 x 2x927mm

NOTE: For storey height door assemblies use 15x4mm 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 FLAMEBREAK 630 FLAMEBREAK FF630

FD30

15x4mm Pyroplex Rigid Box

Q Single Action Double leaf Fig. 4.17
 - 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)

- Perimeter intumescent seals must be located centrally in the door thickness. The Intumescent seals may be fitted to the frame or the door leaf.
- At the meeting stiles, 2x10x4mm seals must be fitted to one leaf only, separated by 10mm centrally located in the door thickness.
- For storey height door assemblies 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 Double leaf Fig. 4.18
 - 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)

- Perimeter intumescent seals must be located centrally in the door thickness. The Intumescent seals may be fitted to the frame or the door leaf.
- At the meeting stiles, 2x10x4mm seals must be fitted to one leaf only, separated by 10mm centrally located in the door thickness.
- For storey height door assemblies 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.



4.20 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

15x4mm Palusol 100 OR Type 617

Q Single Leaf FD30 applications using
15x4mm Palusol 100 OR Type 617
Intumescent seals.

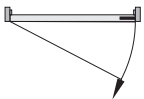
*NOTE: See Section 7 - Doorframes for 'Q-Mark' approved
minimum frame section dimensions for fire door applications.*



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

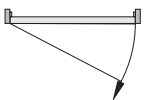


Latched Single leaf Single Action Door Assemblies:

Jams & Head = 15x4mm PVC encased Palusol 100 OR Type 617.

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

*NOTE: For storey height door assemblies use 15x4mm PVC encased Palusol 100 OR Type 617
to all sides of the overpanel.*

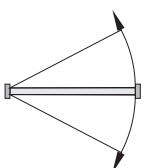


Unlatched Single leaf Single Action Door Assemblies:

Jams & Head = 15x4mm PVC encased Palusol 100 OR Type 617.

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

*NOTE: For storey height door assemblies use 15x4mm PVC encased Palusol 100 OR Type 617
to all sides of the overpanel.*



Double Action Single leaf Door Assemblies:

Jams & Head = 15x4mm PVC encased Palusol 100 OR Type 617.

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

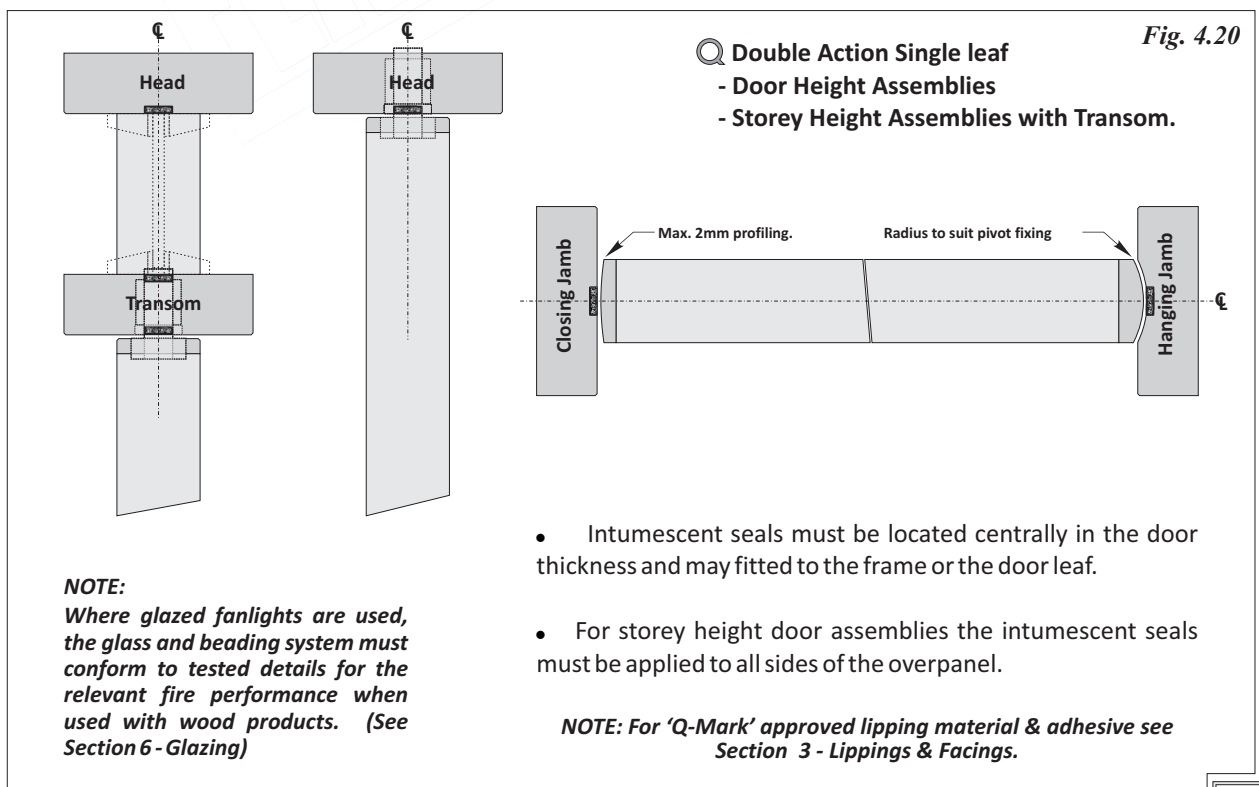
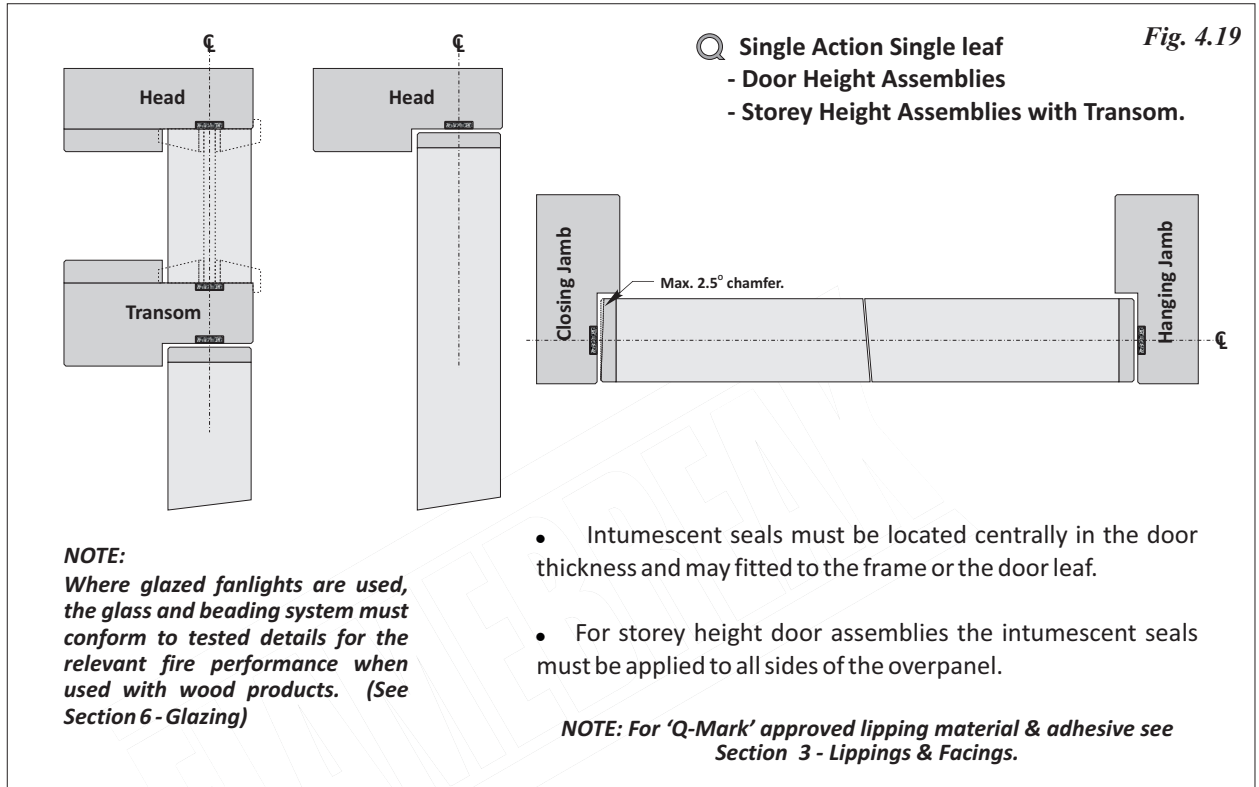
*NOTE: For storey height door assemblies use 15x4mm PVC encased Palusol 100 OR Type 617
to all sides of the overpanel.*



FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

15x4mm Palusol 100 OR Type 617



4.22 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

20x4mm Pyroplex Rigid Box

Q Single Leaf FD30 applications using 15x4mm Pyroplex Rigid Box Intumescent seals.

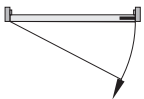
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

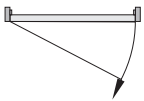


Latched Single leaf Single Action Door Assemblies:

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

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

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

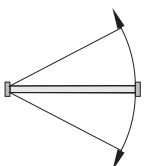


Unlatched Single leaf Single Action Door Assemblies:

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

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

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



Double Action Single leaf Door Assemblies:

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

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

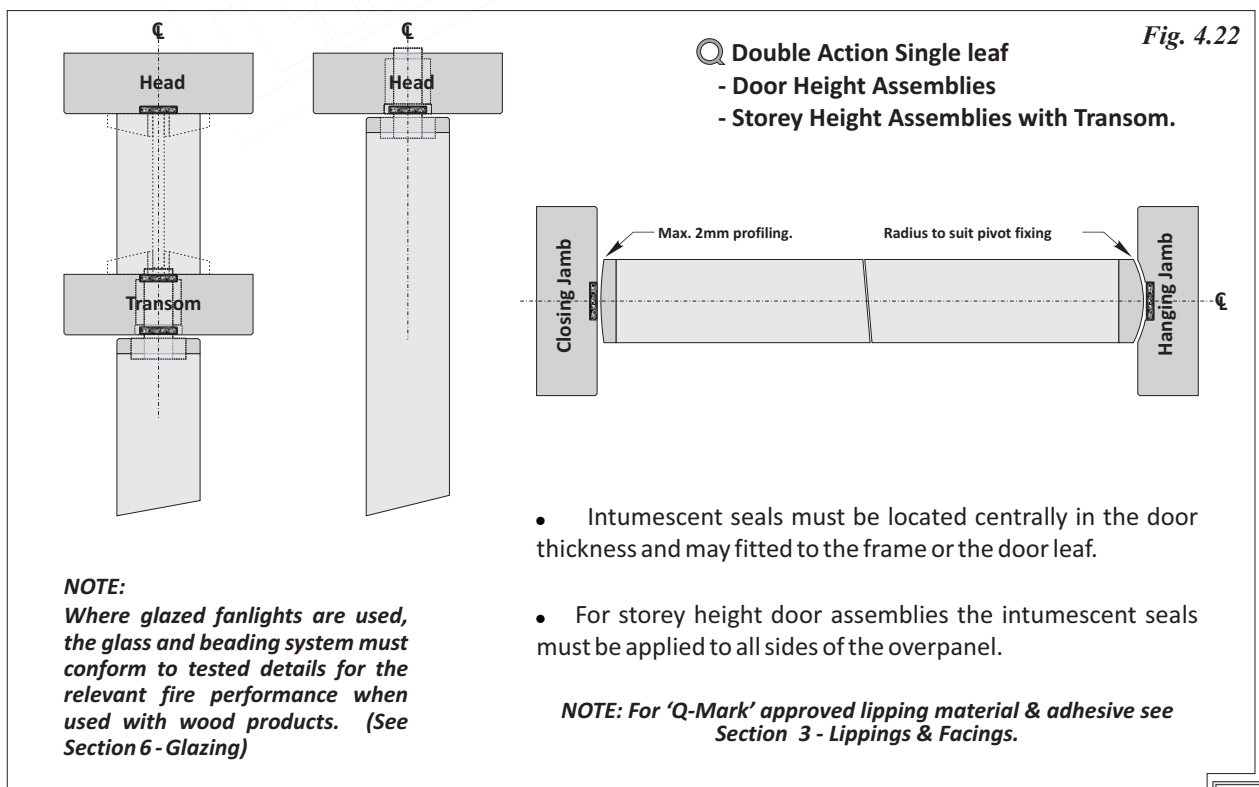
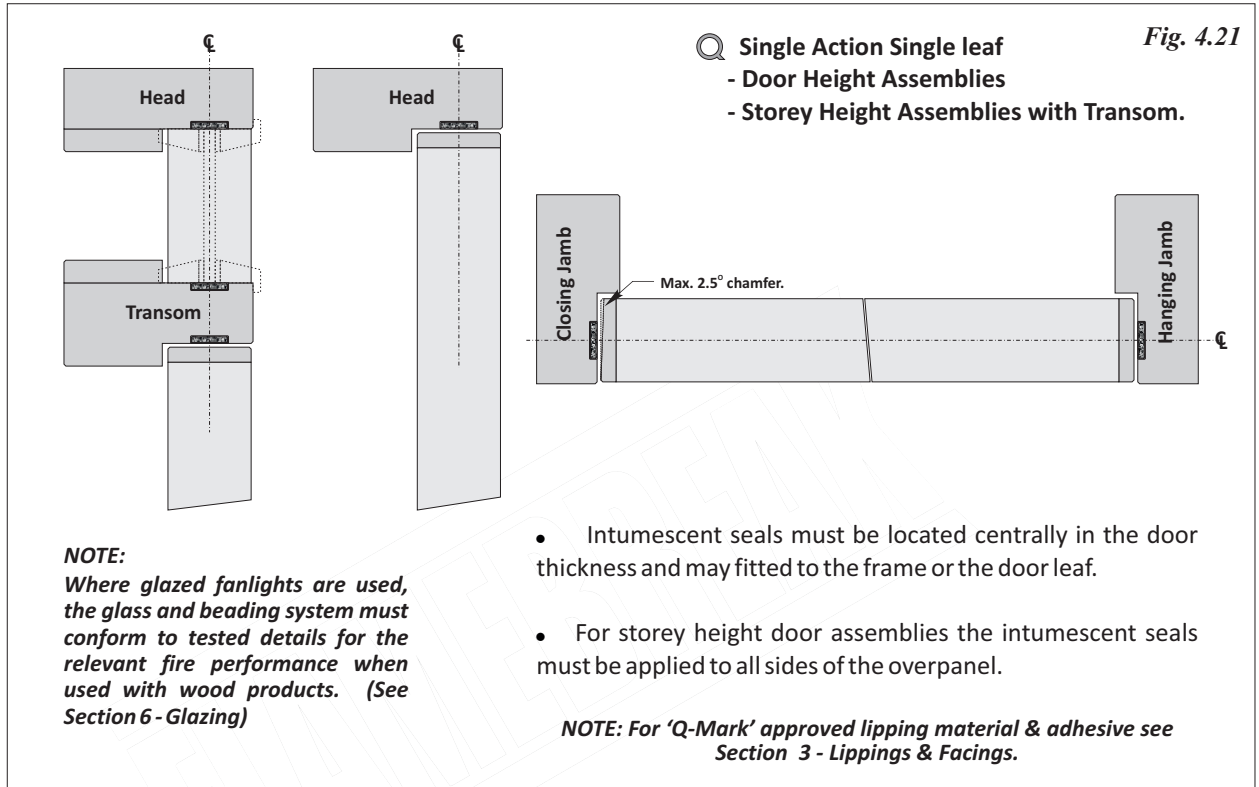
NOTE: For storey height door assemblies use 20x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



FLAMEBREAK 430 FLAMEBREAK 630 FLAMEBREAK FF630

FD30

20x4mm Pyroplex Rigid Box



4.24 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

20x4mm Pyroplex Rigid Box

Q Double Leaf FD30 applications using 20x4mm Pyroplex Rigid Box Intumescent seals.

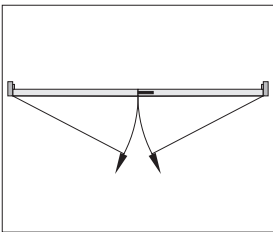
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

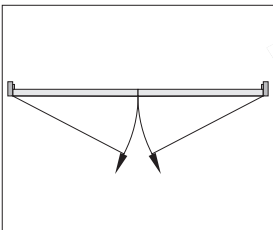
Jamb & Head = 20x4mm PVC encased Pyroplex Rigid Box.

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

Door Leaf sizes: From: 2145 x 2x1067mm
To: 2463 x 2x927mm

NOTE 1: For storey height door assemblies use 20x4mm 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 Door Assemblies (Pairs):

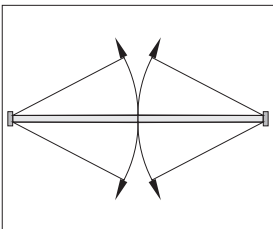
Jamb & Head = 20x4mm PVC encased Pyroplex Rigid Box.

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

Door Leaf sizes: From: 2145 x 2x1042mm
To: 2413 x 2x927mm

NOTE 1: For storey height door assemblies use 20x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.

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



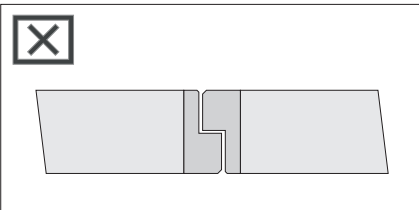
Double Action Double leaf Door Assemblies (Pairs):

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

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

Door Leaf sizes: From: 2145 x 2x1042mm
To: 2413 x 2x927mm

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



Rebated Meeting Stiles:

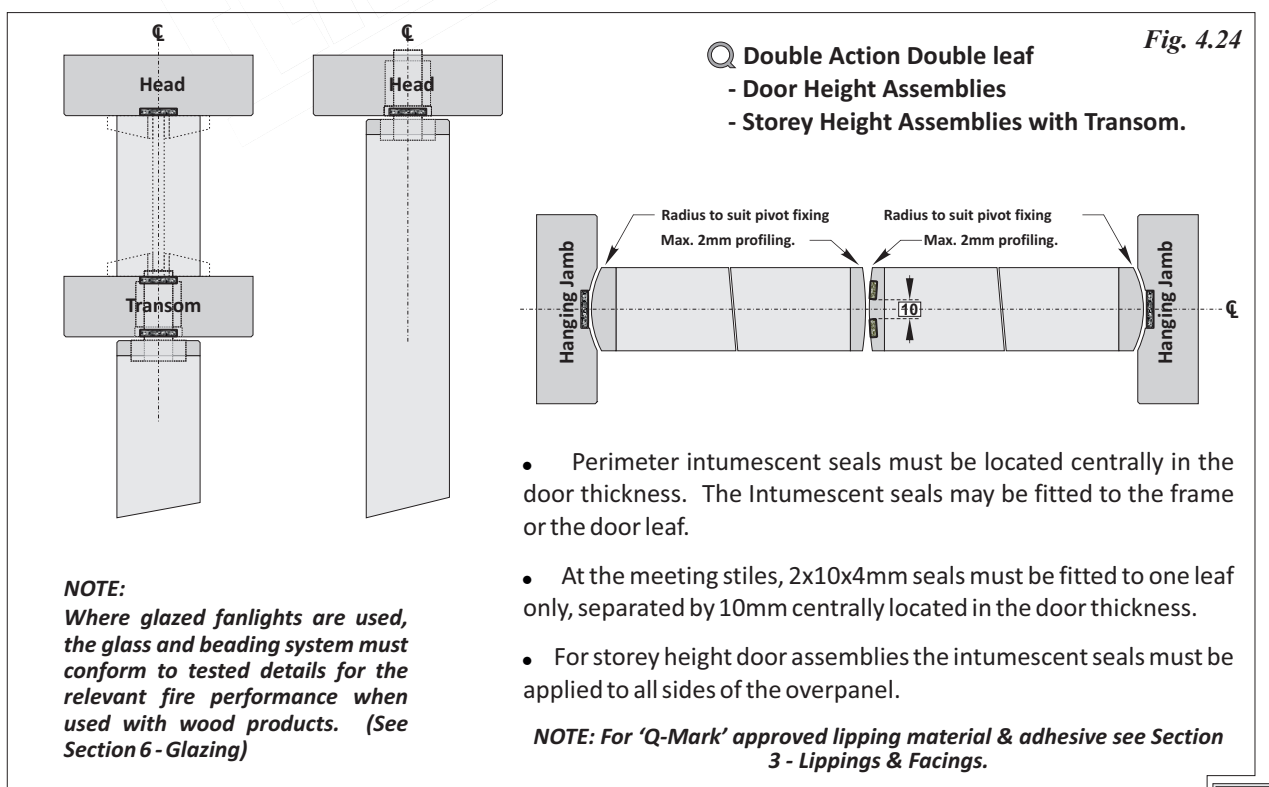
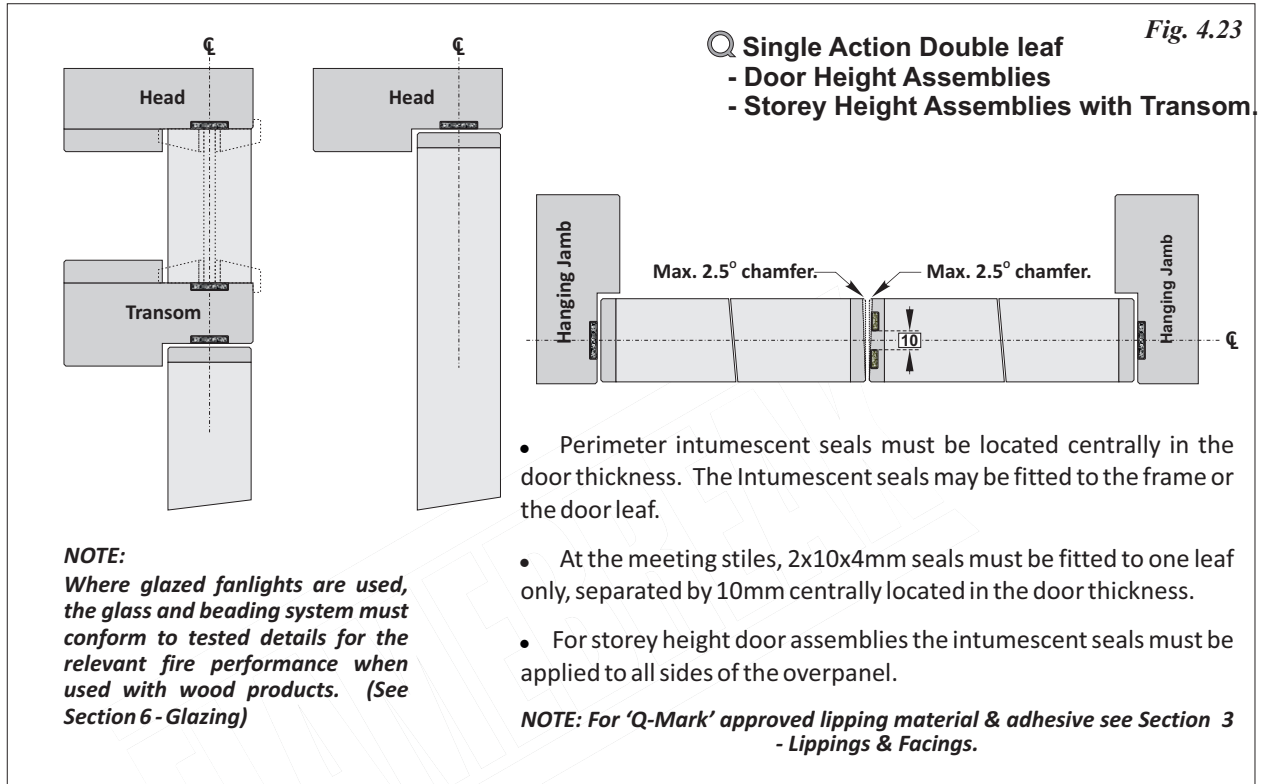
Rebated Meeting stiles are not 'Q-Mark' approved for this application.



FLAMEBREAK 430 FLAMEBREAK 630 FLAMEBREAK FF630

FD30

20x4mm Pyroplex Rigid Box



4.26 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

20x4mm Palusol 100 OR Type 617

Q Single Leaf FD30 applications using
20x4mm Palusol 100 OR Type 617
Intumescent seals.

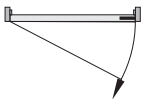
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

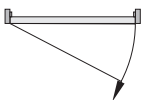


Latched Single leaf Single Action Door Assemblies:

Jambs & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

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

NOTE: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

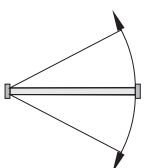


Unlatched Single leaf Single Action Door Assemblies:

Jambs & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

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

NOTE: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



Double Action Single leaf Door Assemblies:

Jambs & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

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

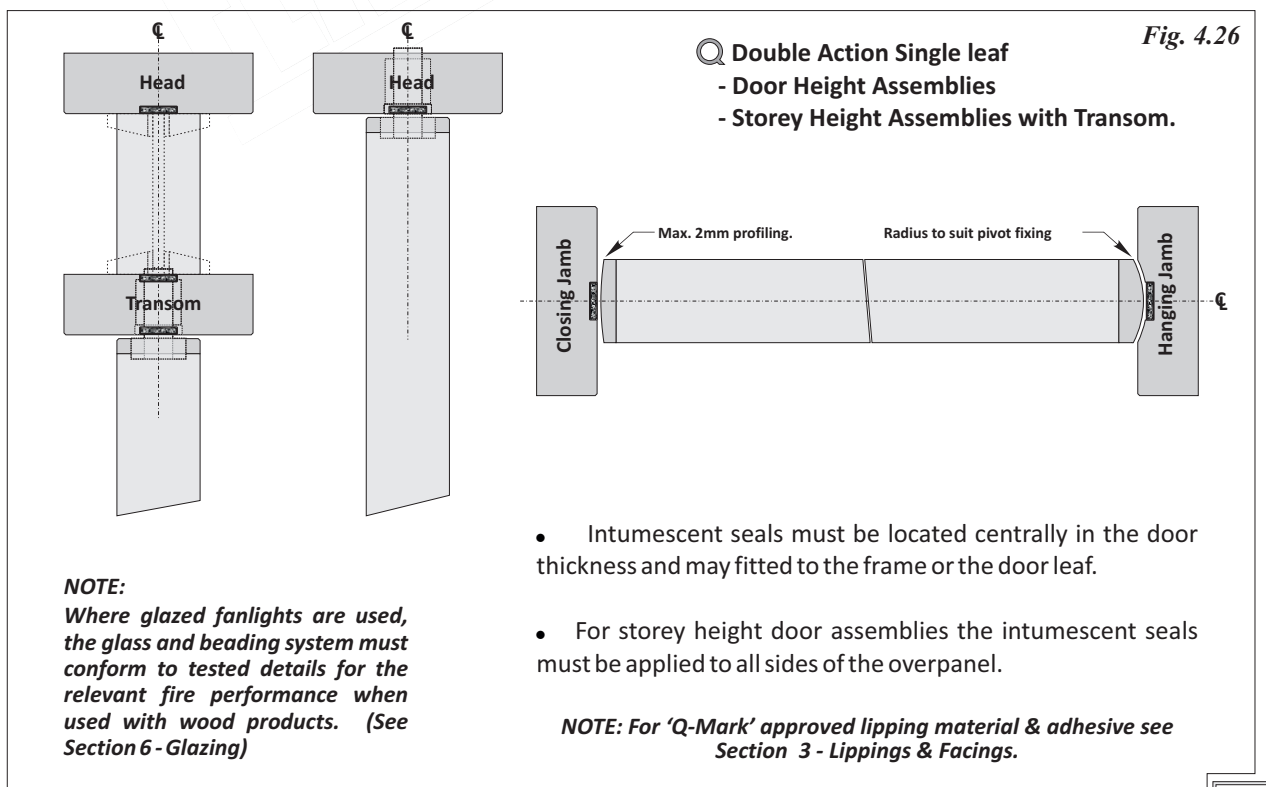
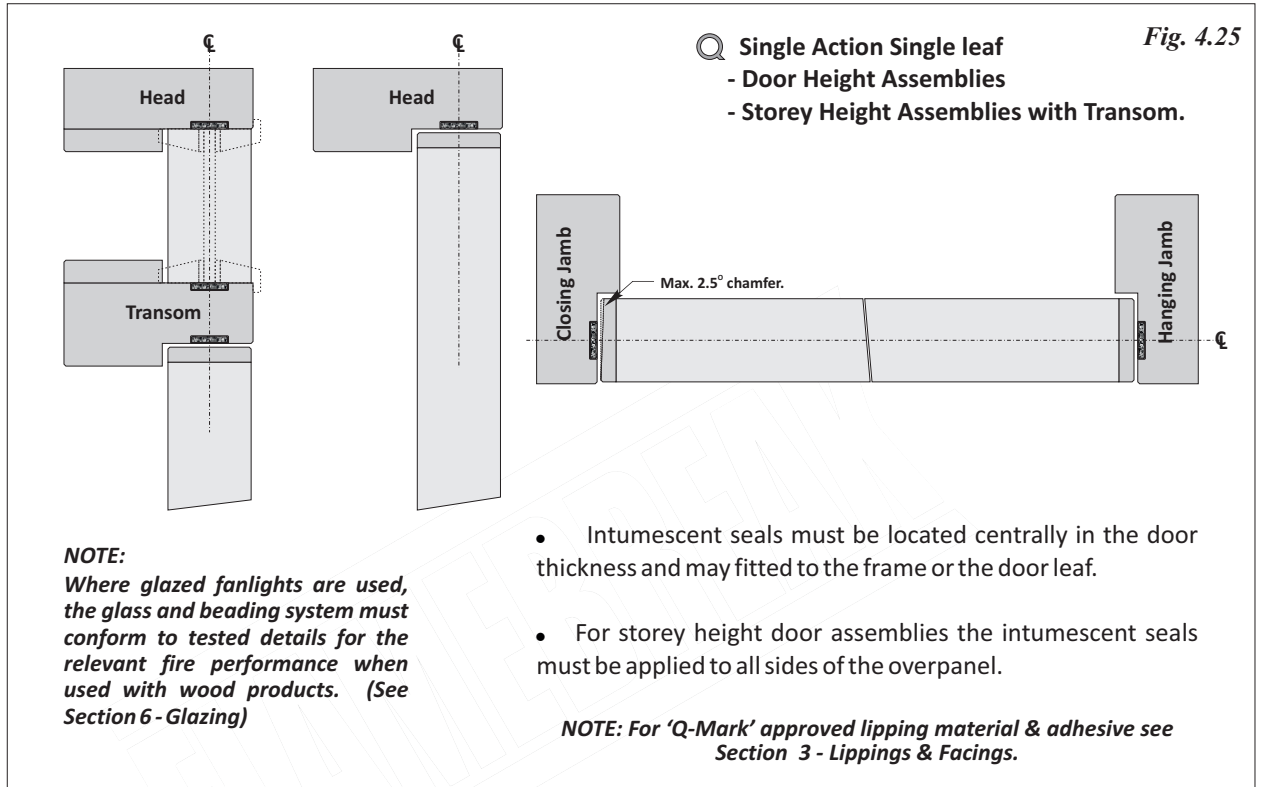
NOTE: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

20x4mm Palusol 100 OR Type 617



4.28 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430 **FD30**

20x4mm Palusol 100 OR Type 617

Q Double Leaf FD30 applications using 20x4mm Palusol 100 OR Type 617 Intumescent seals.

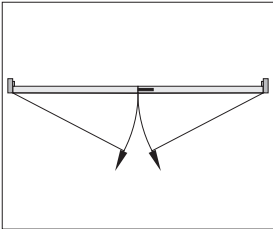
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

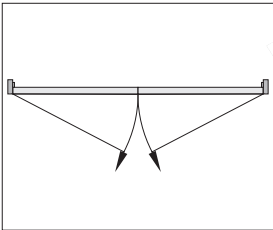
Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

(See below for rebated meeting stile option).

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

NOTE 1: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are 'Q-Mark' approved for this application.



Unlatched Double leaf Single Action Door Assemblies (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

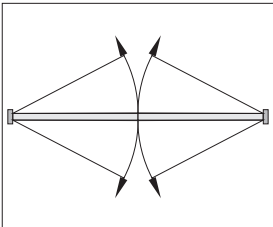
Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

(See below for rebated meeting stile option).

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

NOTE 1: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are 'Q-Mark' approved for this application.



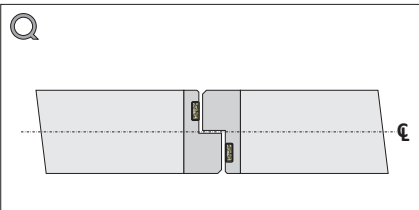
Double Action Double leaf Door Assemblies (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

Meeting Stiles = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

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

NOTE 1: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



Rebated Meeting Stiles:

Meeting Stiles (Rebated) = 1No.10x4mm PVC encased Palusol 100 OR Type 617 fitted centrally in the rebate of both door leaves.

FLAMEBREAK 430

FD30

20x4mm Palusol 100 OR Type 617

Q Single Action Double leaf Fig. 4.27
 - Door Height Assemblies
 - Storey Height Assemblies with Transom.

- Perimeter intumescent seals must be located centrally in the door thickness. The Intumescent seals may be fitted to the frame or the door leaf.
- For square meeting stiles a 20x4mm seals must be fitted to one leaf only centrally located in the door thickness. For rebated meeting stiles 1No.10x4mm seal must be fitted centrally in the rebate of both door leaves.
- For storey height door assemblies 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 Fig. 4.28
 - Door Height Assemblies
 - Storey Height Assemblies with Transom.

- Perimeter intumescent seals must be located centrally in the door thickness. The Intumescent seals may be fitted to the frame or the door leaf.
- For square meeting stiles a 20x4mm seals must be fitted to one leaf only centrally located in the door thickness.
- For storey height door assemblies 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)



4.30 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

20x4mm Palusol 100 OR Type 617

Q Double Leaf FD30 applications using 20x4mm Palusol 100 OR Type 617 Intumescent seals.

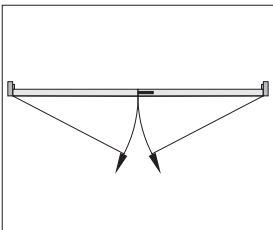
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

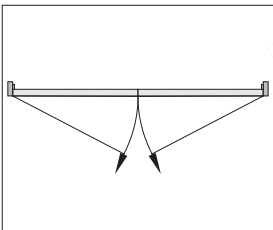
Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

(See below for rebated meeting stile option).

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

NOTE 1: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are 'Q-Mark' approved for this application.



Unlatched Double leaf Single Action Door Assemblies (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

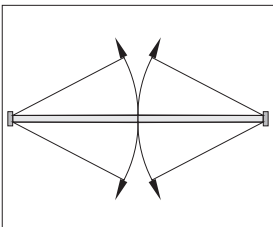
Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

(See below for rebated meeting stile option).

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

NOTE 1: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are 'Q-Mark' approved for this application.



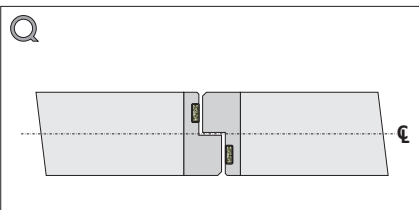
Double Action Double leaf Door Assemblies (Pairs):

Jamb & Head = 20x4mm PVC encased Palusol 100 OR Type 617.

Meeting Stiles = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

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

NOTE 1: For storey height door assemblies use 20x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

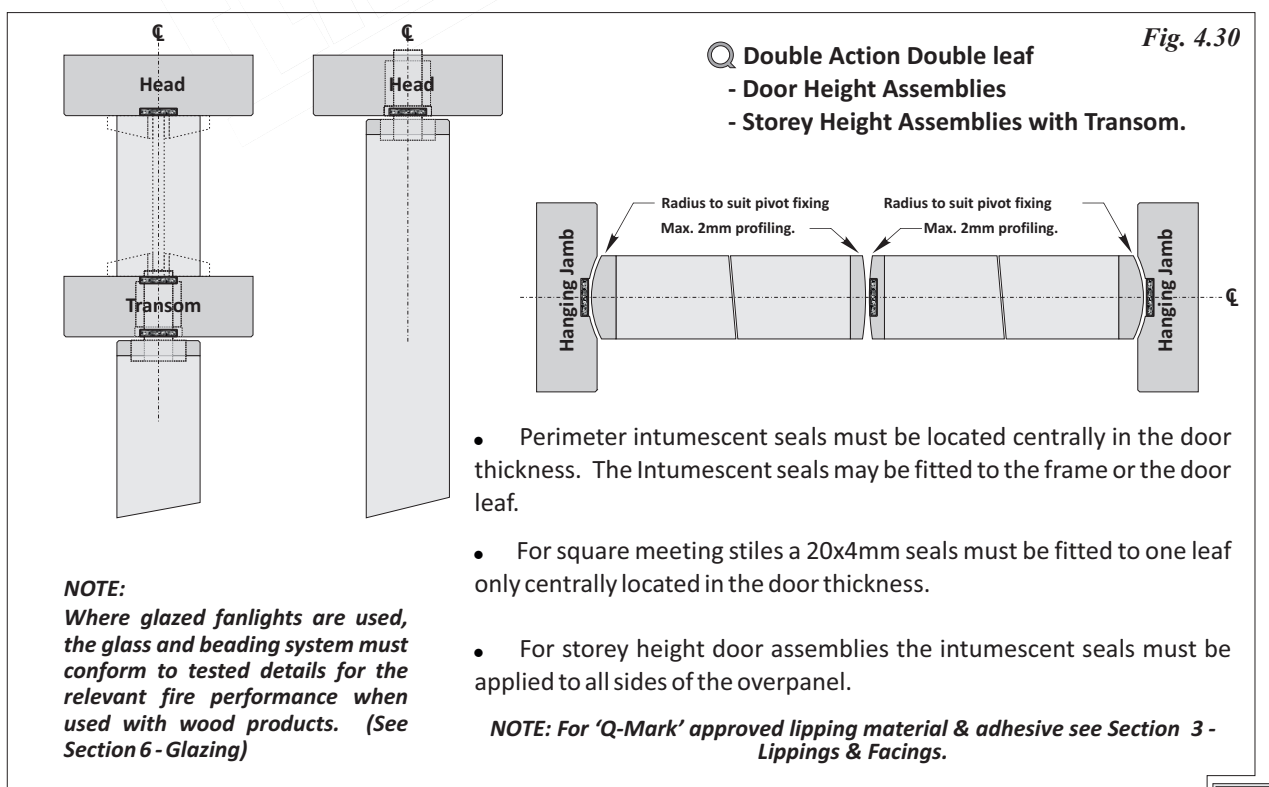
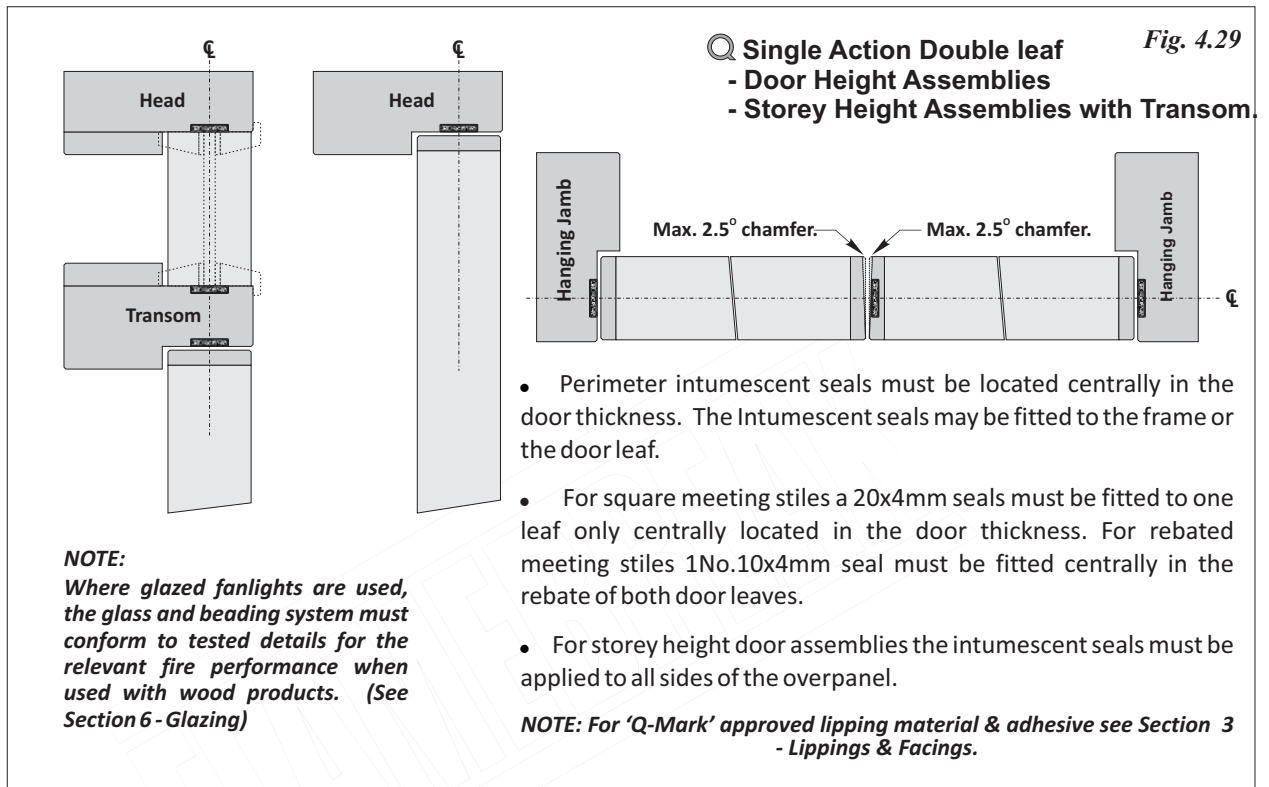


Rebated Meeting Stiles:

Meeting Stiles (Rebated) = 1No.10x4mm PVC encased Palusol 100 OR Type 617 fitted centrally in the rebate of both door leaves.

FLAMEBREAK 630 FD30 FLAMEBREAK FF630

20x4mm Palusol 100 OR Type 617



4.32 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430 **FD30**

25x4mm Palusol 100 OR Type 617

Q Single Leaf FD30 applications using 25x4mm Palusol 100 OR Type 617 Intumescent seals.

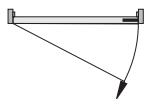
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

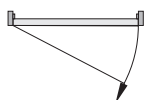


Latched Single leaf Single Action Door Assemblies:

Jams & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

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

NOTE: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

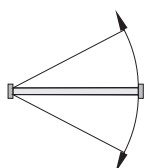


Unlatched Single leaf Single Action Door Assemblies:

Jams & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

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

NOTE: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



Double Action Single leaf Door Assemblies:

Jams & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

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

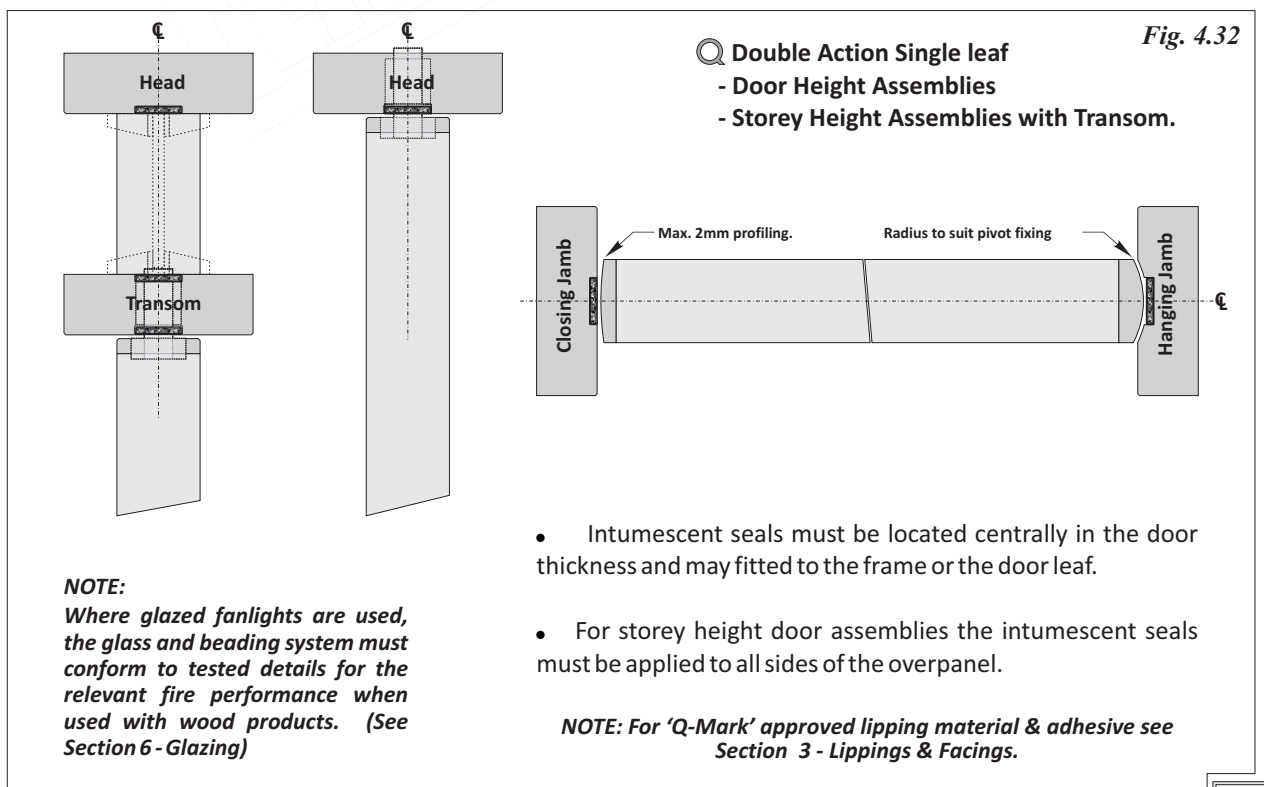
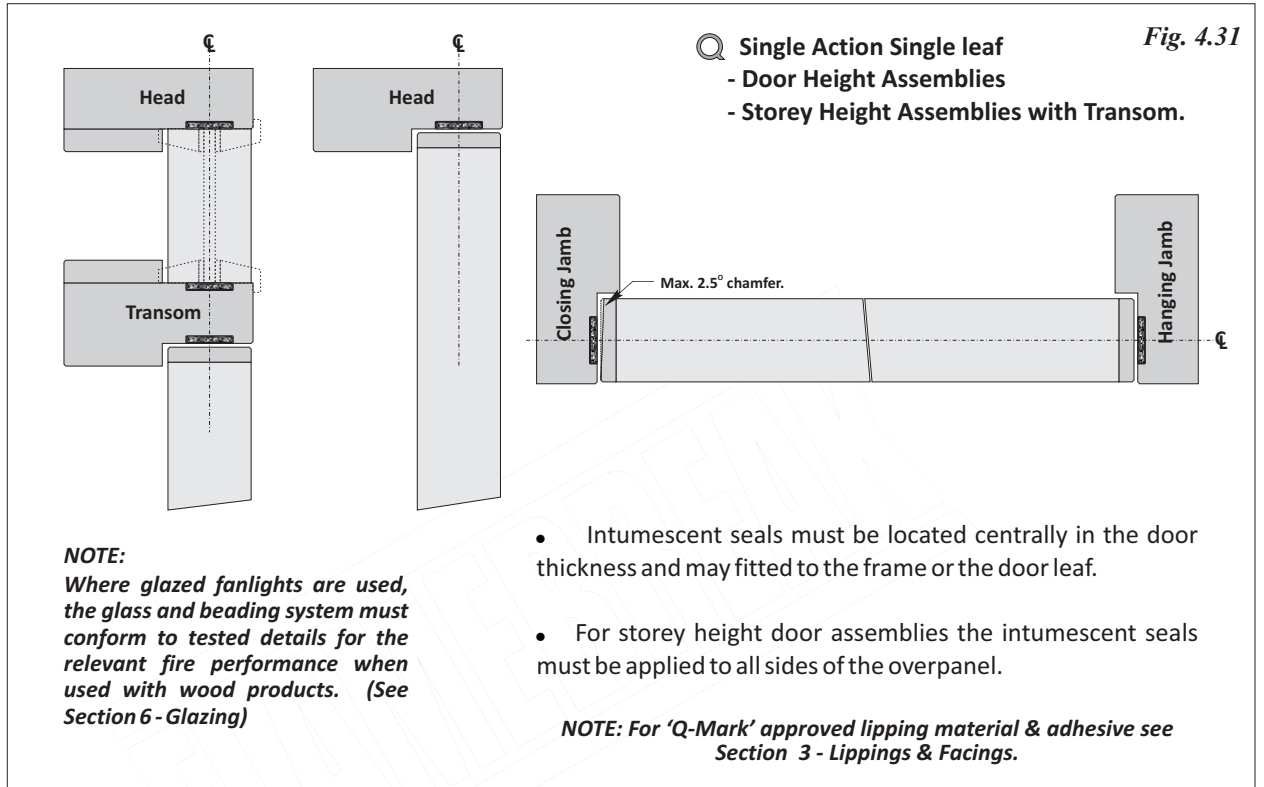
NOTE: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



FLAMEBREAK 430

FD30

25x4mm Palusol 100 OR Type 617



4.34 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430 **FD30**

25x4mm Palusol 100 OR Type 617

Q Double Leaf FD30 applications using 25x4mm Palusol 100 OR Type 617 Intumescent seals.

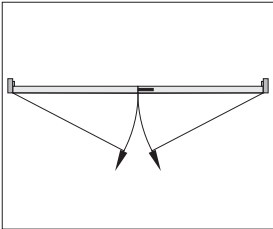
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

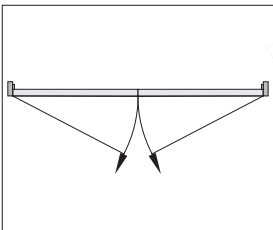
Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

(See below for rebated meeting stile option).

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

NOTE 1: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are 'Q-Mark' approved for this application.



Unlatched Double leaf Single Action Door Assemblies (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

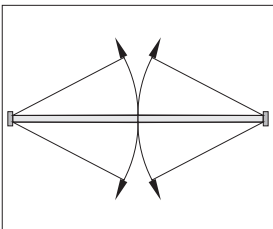
Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

(See below for rebated meeting stile option).

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

NOTE 1: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are 'Q-Mark' approved for this application.



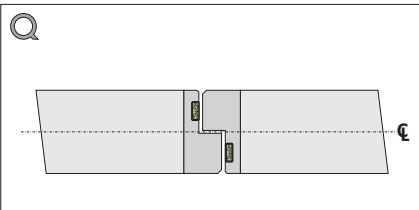
Double Action Double leaf Door Assemblies (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

Meeting Stiles = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

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

NOTE 1: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



Rebated Meeting Stiles:

Meeting Stiles (Rebated) = 1No.10x4mm PVC encased Palusol 100 OR Type 617 fitted centrally in the rebate of both door leaves.

FLAMEBREAK 430

FD30

25x4mm Palusol 100 OR Type 617

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

- Perimeter intumescent seals must be located centrally in the door thickness. The Intumescent seals may be fitted to the frame or the door leaf.
- For square meeting stiles a 20x4mm seals must be fitted to one leaf only centrally located in the door thickness. For rebated meeting stiles 1No.10x4mm seal must be fitted centrally in the rebate of both door leaves.
- For storey height door assemblies 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 Fig. 4.34
 - Door Height Assemblies
 - Storey Height Assemblies with Transom.

- Perimeter intumescent seals must be located centrally in the door thickness. The Intumescent seals may be fitted to the frame or the door leaf.
- For square meeting stiles a 20x4mm seals must be fitted to one leaf only centrally located in the door thickness.
- For storey height door assemblies 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)



4.36 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

25x4mm Palusol 100 OR Type 617

Q Single Leaf FD30 applications using 25x4mm Palusol 100 OR Type 617 Intumescent seals.

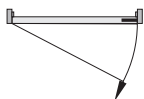
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

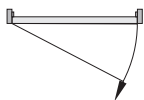


Latched Single leaf Single Action Door Assemblies:

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

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

NOTE: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

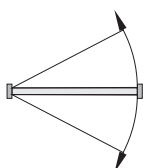


Unlatched Single leaf Single Action Door Assemblies:

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

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

NOTE: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



Double Action Single leaf Door Assemblies:

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

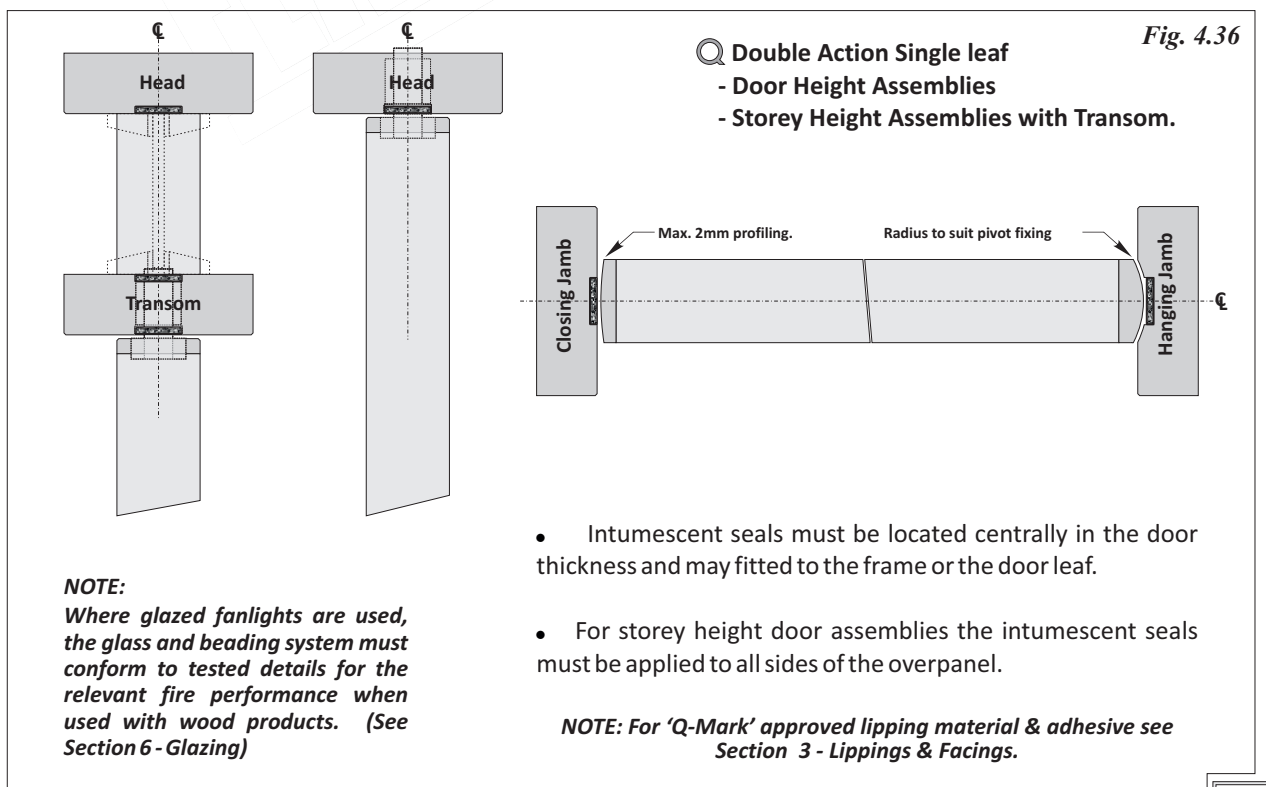
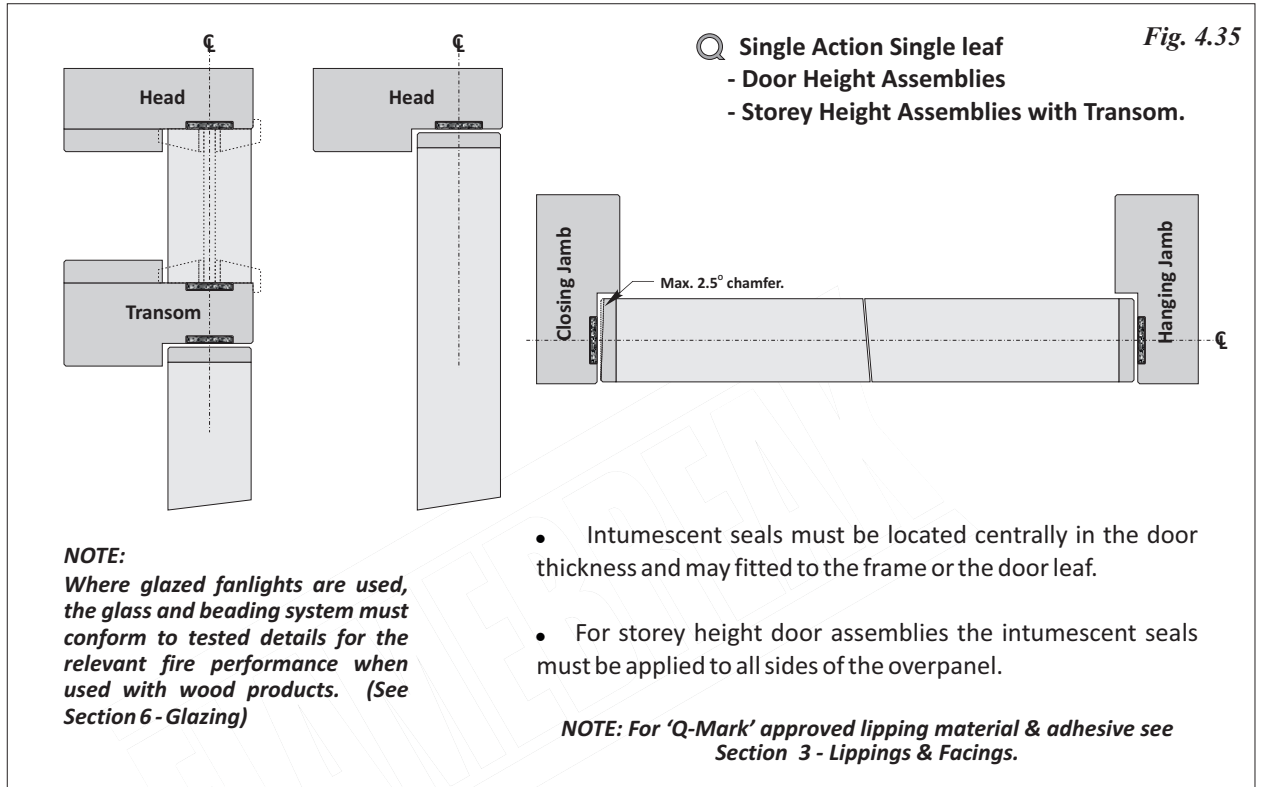
Door Leaf sizes: From: 2440 x 1220mm
To: 2440 x 1220mm

NOTE: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



FLAMEBREAK 630 FD30 FLAMEBREAK FF630

25x4mm Palusol 100 OR Type 617



4.38 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 630 FLAMEBREAK FF630 **FD30**

25x4mm Palusol 100 OR Type 617

Q Double Leaf FD30 applications using 25x4mm Palusol 100 OR Type 617 Intumescent seals.

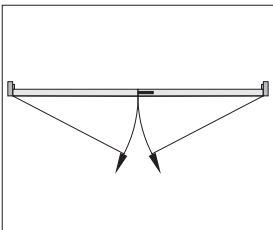
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

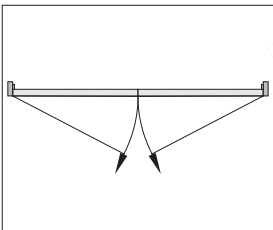
Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

(See below for rebated meeting stile option).

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

NOTE 1: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are 'Q-Mark' approved for this application.



Unlatched Double leaf Single Action Door Assemblies (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

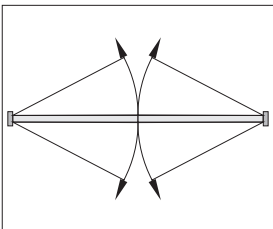
Meeting Stiles (Square) = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

(See below for rebated meeting stile option).

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

NOTE 1: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.

NOTE 2: Rebated Meeting stiles are 'Q-Mark' approved for this application.



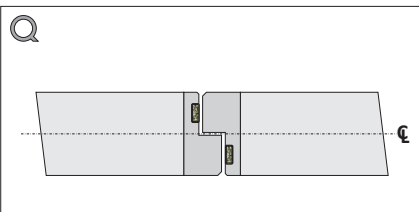
Double Action Double leaf Door Assemblies (Pairs):

Jamb & Head = 25x4mm PVC encased Palusol 100 OR Type 617.

Meeting Stiles = 20x4mm PVC encased Palusol 100 OR Type 617 centre thickness in one leaf only.

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

NOTE 1: For storey height door assemblies use 25x4mm PVC encased Palusol 100 OR Type 617 to all sides of the overpanel.



Rebated Meeting Stiles:

Meeting Stiles (Rebated) = 1No.10x4mm PVC encased Palusol 100 OR Type 617 fitted centrally in the rebate of both door leaves.

FLAMEBREAK 630 FD30 FLAMEBREAK FF630

25x4mm Palusol 100 OR Type 617

Q Single Action Double leaf Fig. 4.37
- 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)

- Perimeter intumescent seals must be located centrally in the door thickness. The Intumescent seals may be fitted to the frame or the door leaf.
- For square meeting stiles a 20x4mm seals must be fitted to one leaf only centrally located in the door thickness. For rebated meeting stiles 1No.10x4mm seal must be fitted centrally in the rebate of both door leaves.
- For storey height door assemblies 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 Double leaf Fig. 4.38
- 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)

- Perimeter intumescent seals must be located centrally in the door thickness. The Intumescent seals may be fitted to the frame or the door leaf.
- For square meeting stiles a 20x4mm seals must be fitted to one leaf only centrally located in the door thickness.
- For storey height door assemblies 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.



4.40 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430 **FD30**

NOTE: Using FLAMEBREAK™ 430 core only without core internal perimeter framing.

25x4mm Type 617

Q Single Leaf FD30 applications using 25x4mm Type 617 Intumescent seals.

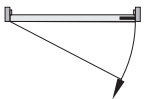
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

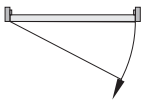


Latched Single leaf Single Action Door Assemblies:

Jamb & Head = 25x4mm PVC encased Type 617.

Door Leaf sizes: From: 2761 x 1514mm
To: 3382 x 1236mm

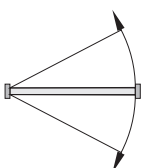
NOTE: For storey height door assemblies use 25x4mm PVC encased Type 617 to all sides of the overpanel.



Unlatched Single leaf Single Action Door Assemblies:

Jamb & Head = 25x4mm PVC encased Type 617.

Door Leaf sizes: From: *NOT APPROVED*
To: *NOT APPROVED*



Double Action Single leaf Door Assemblies:

Jamb & Head = 25x4mm PVC encased Type 617.

Door Leaf sizes: From: *NOT APPROVED*
To: *NOT APPROVED*



FLAMEBREAK 430 **FD30**

25x4mm Type 617

NOTE: Using FLAMEBREAK™ 430 core only without core internal perimeter framing.

Q Latched only Single Action Single leaf *Fig. 4.39*
 - 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 door assemblies 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.

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

NOT APPROVED



4.42 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

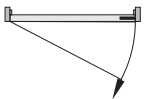
15x4mm Type 617 with Acrovyn Door Edge protectors

Q Single Leaf FD30 applications using
15x4mm Type 617 Intumescent seals with CS
Acrovyn Wrap Door Edge Protectors.

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



Single leaf
Door Height
Doorsets

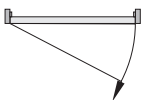


Latched Single leaf Single Action Door Assemblies:

Door Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Head = 15x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1225mm
To: 2850 x 900mm

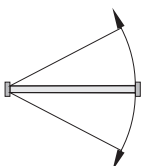


Unlatched Single leaf Single Action Door Assemblies:

Door Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Head = 15x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1200mm
To: 2800 x 900mm



Double Action Single leaf Door Assemblies:

Door Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Head = 15x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1200mm
To: 2800 x 900mm



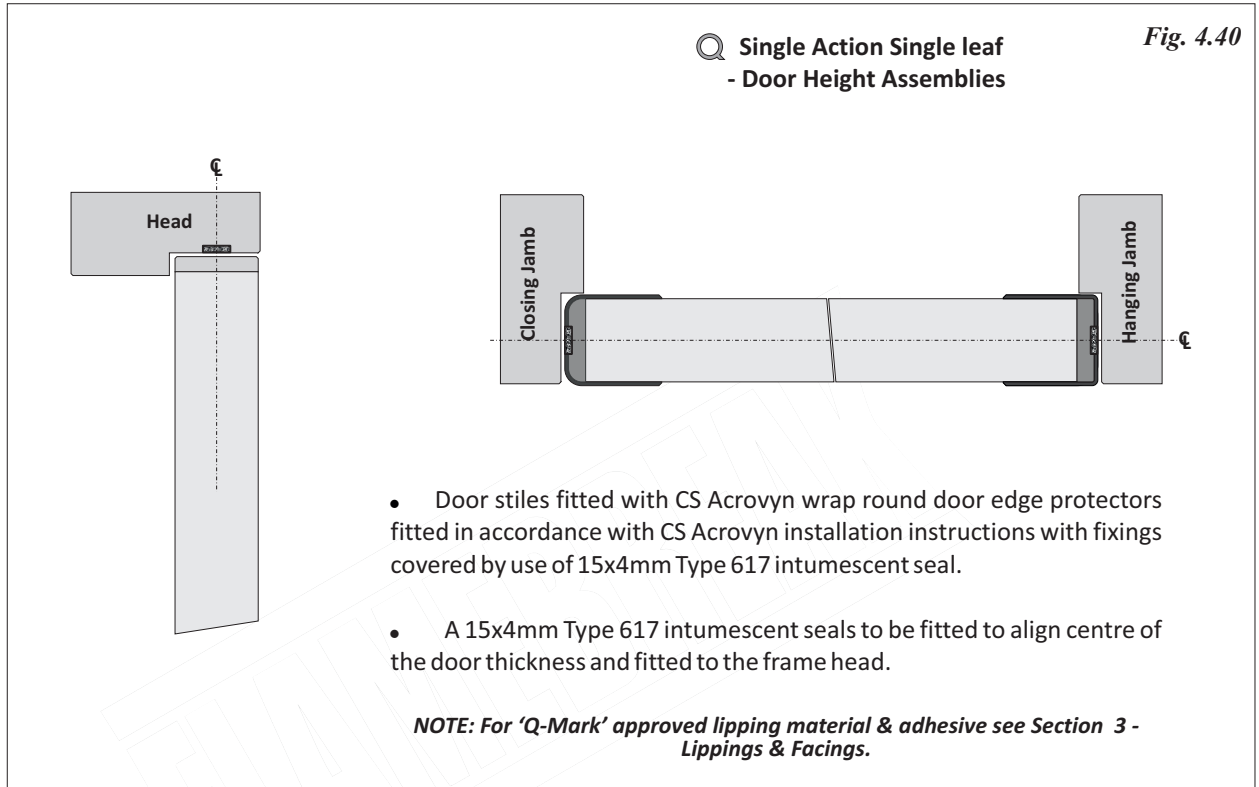
FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

**15x4mm Type 617 with
Acrovyn Door Edge protectors**

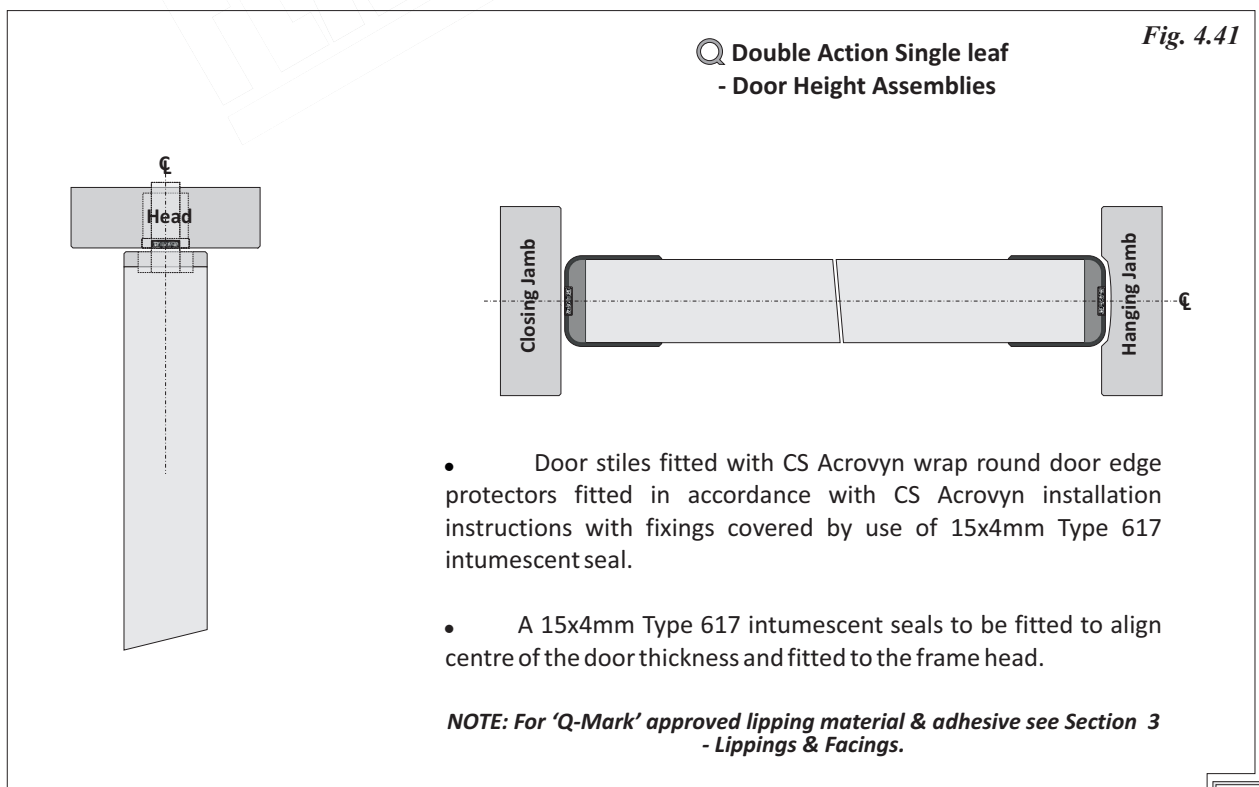
Q Single Action Single leaf
- Door Height Assemblies

Fig. 4.40



Q Double Action Single leaf
- Door Height Assemblies

Fig. 4.41



4.44 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

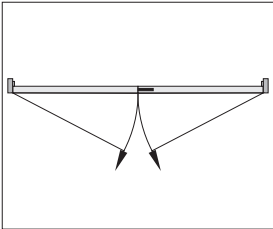
15x4mm Type 617 with Acrovyn Door Edge protectors



Double leaf
Door Height
Doorsets

Q Double Leaf FD30 applications using 15x4mm Type 617 Intumescent seals with CS Acrovyn Wrap Door Edge Protectors.

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



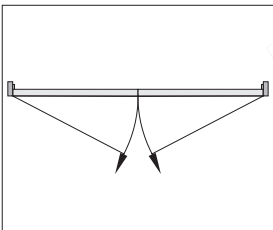
Latched Double leaf Single Action Door Assemblies (Pairs):

Door Hanging Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Meeting Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seals in both leaves.

Head = 15x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1200mm
To: 2800 x 900mm



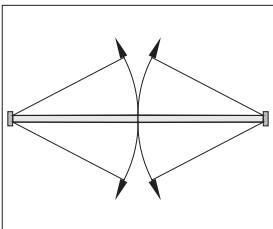
Unlatched Double leaf Single Action Door Assemblies (Pairs):

Door Hanging Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Meeting Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seals in both leaves.

Head = 15x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 2x1175mm
To: 2750 x 2x900mm



Double Action Double leaf Door Assemblies (Pairs):

Door Hanging Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Meeting Stiles = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seals in both leaves.

Head = 15x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 2x1175mm
To: 2750 x 2x900mm



Rebated Meeting Stiles:

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

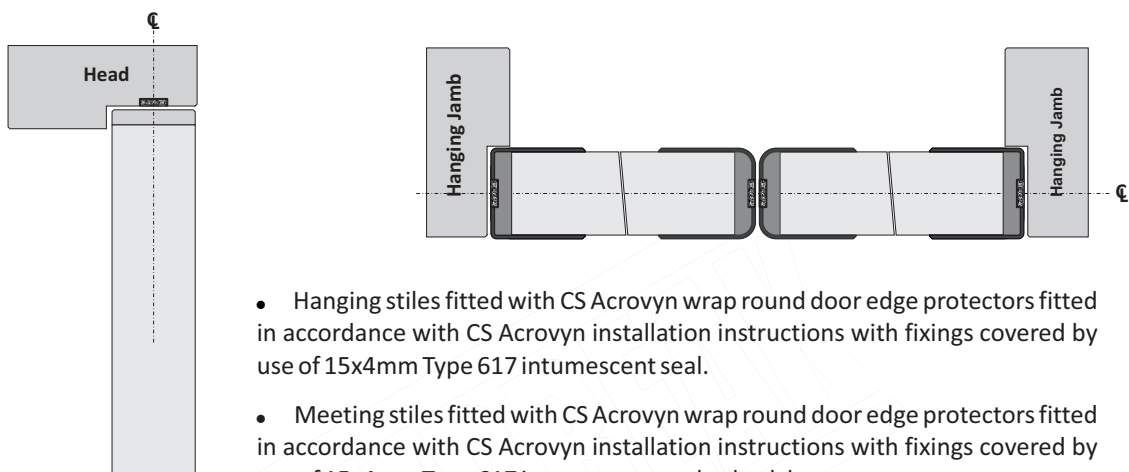


FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

15x4mm Type 617 with Acrovyn Door Edge protectors

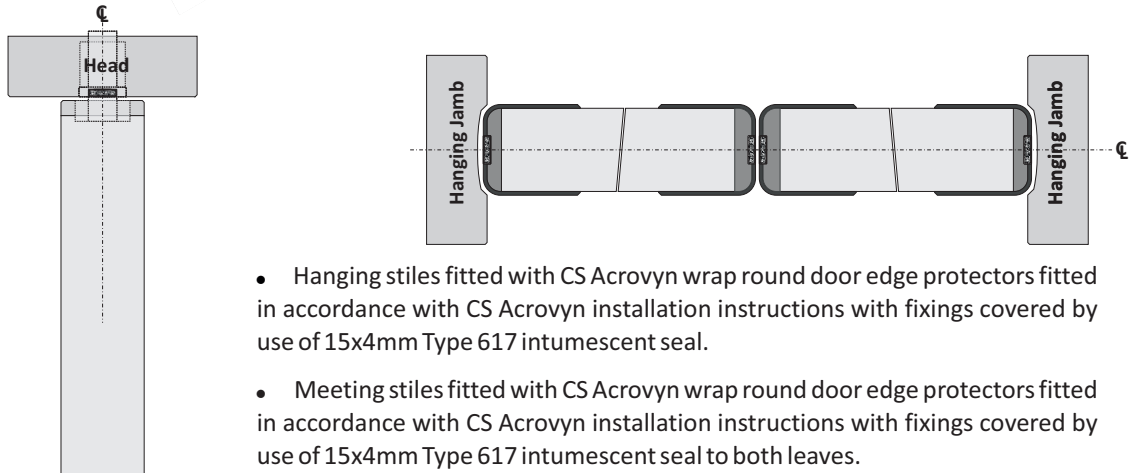
Q Single Action Double Leaf
- Door Height Assemblies Fig. 4.42



- Hanging stiles fitted with CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 15x4mm Type 617 intumescent seal.
- Meeting stiles fitted with CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 15x4mm Type 617 intumescent seal to both leaves.
- A 15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head.

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

Q Double Action Double leaf
- Door Height Assemblies Fig. 4.43



- Hanging stiles fitted with CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 15x4mm Type 617 intumescent seal.
- Meeting stiles fitted with CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 15x4mm Type 617 intumescent seal to both leaves.
- A 15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head.

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



4.46 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

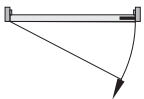
15x4+20x4mm Type 617 with Yeoman Shield Door Edge protectors

Q Single Leaf FD30 applications using
15x4mm Type 617 Intumescent seals with
Yeoman Shield Wrap Door Edge Protectors.

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



Single leaf
Door Height
Doorsets

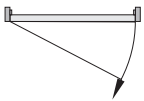


Latched Single leaf Single Action Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Head = 20x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2400 x 1026mm
To: 2600 x 926mm

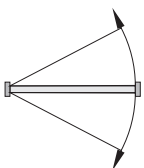


Unlatched Single leaf Single Action Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Head = 20x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2400 x 1026mm
To: 2600 x 926mm



Double Action Single leaf Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Head = 20x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2400 x 1026mm
To: 2600 x 926mm

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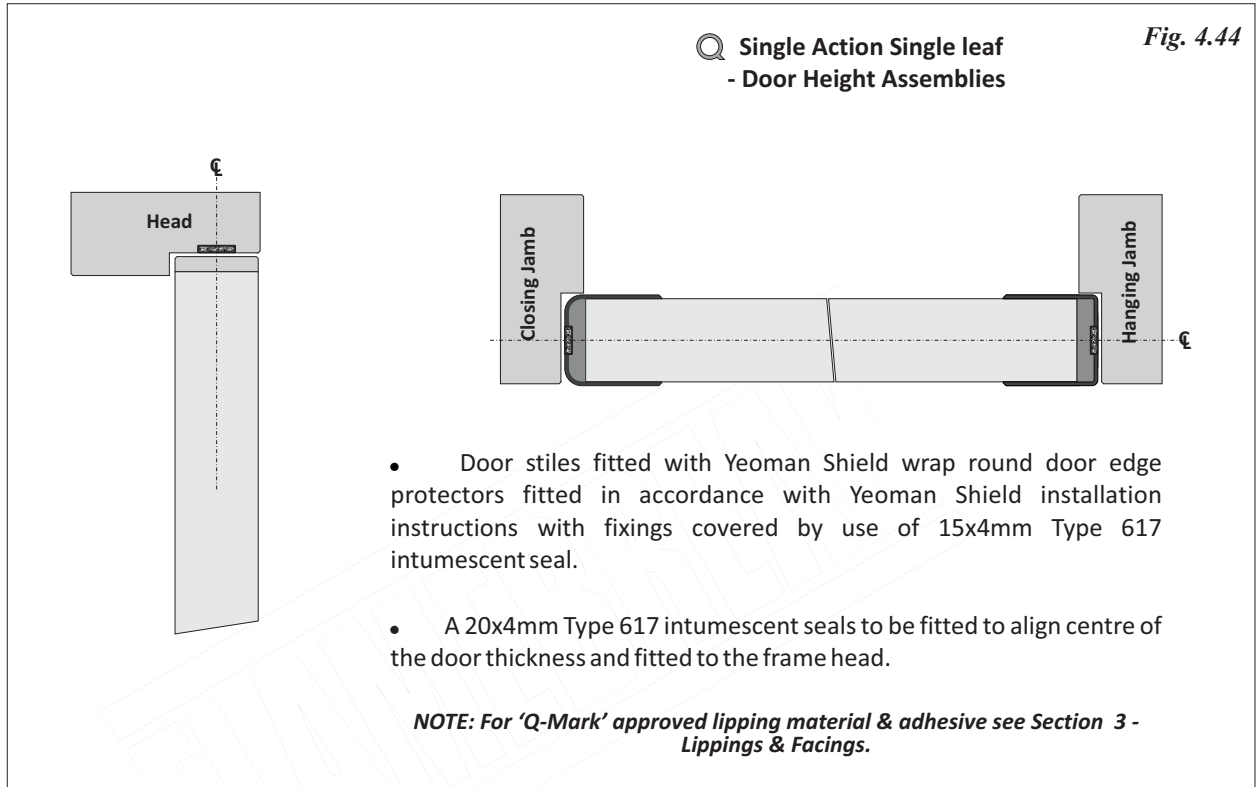
FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

**15x4+20x4mm Type 617 with
Yeoman Shield Door Edge protectors**

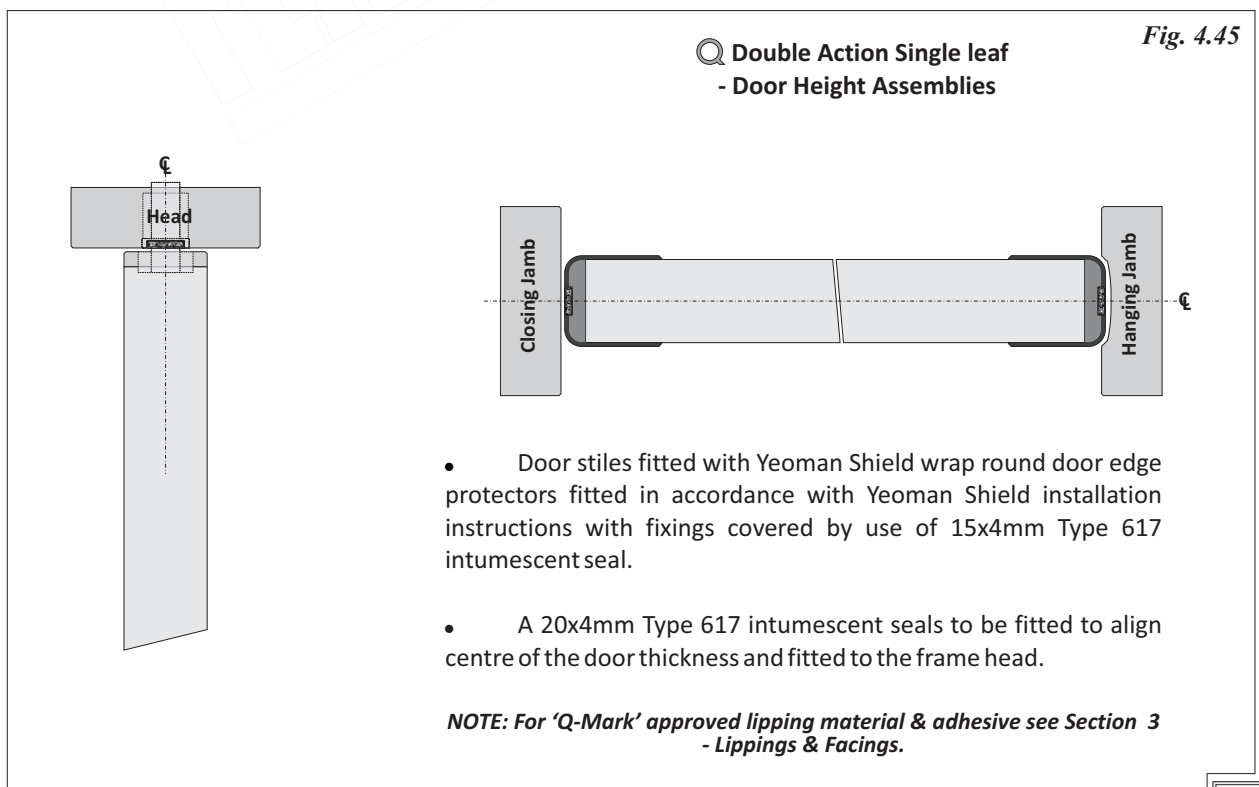
Q Single Action Single leaf
- Door Height Assemblies

Fig. 4.44



Q Double Action Single leaf
- Door Height Assemblies

Fig. 4.45



4.48 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

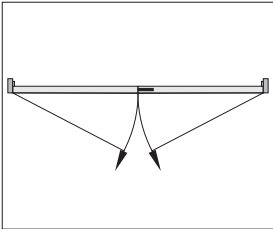
15x4+20x4mm Type 617 with Yeoman Shield Door Edge protectors

Q Double Leaf FD30 applications using
15x4mm Type 617 Intumescent seals with
Yeoman Shield Wrap Door Edge Protectors.

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



Double leaf
Door Height
Doorsets



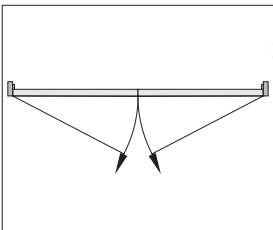
Latched Double leaf Single Action Door Assemblies (Pairs):

Door Hanging Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Meeting Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seals in both leaves.

Head = 20x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2400 x 1026mm
To: 2600 x 826mm



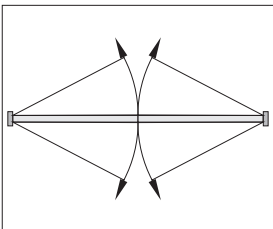
Unlatched Double leaf Single Action Door Assemblies (Pairs):

Door Hanging Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Meeting Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seals in both leaves.

Head = 20x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2400 x 1026mm
To: 2600 x 826mm



Double Action Double leaf Door Assemblies (Pairs):

Door Hanging Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal.

Meeting Stiles = Yeoman Shield Door Edge Wrapped with 15x4mm Type 617 Intumescent Seals in both leaves.

Head = 20x4mm Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2400 x 1026mm
To: 2600 x 826mm



Rebated Meeting Stiles:

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



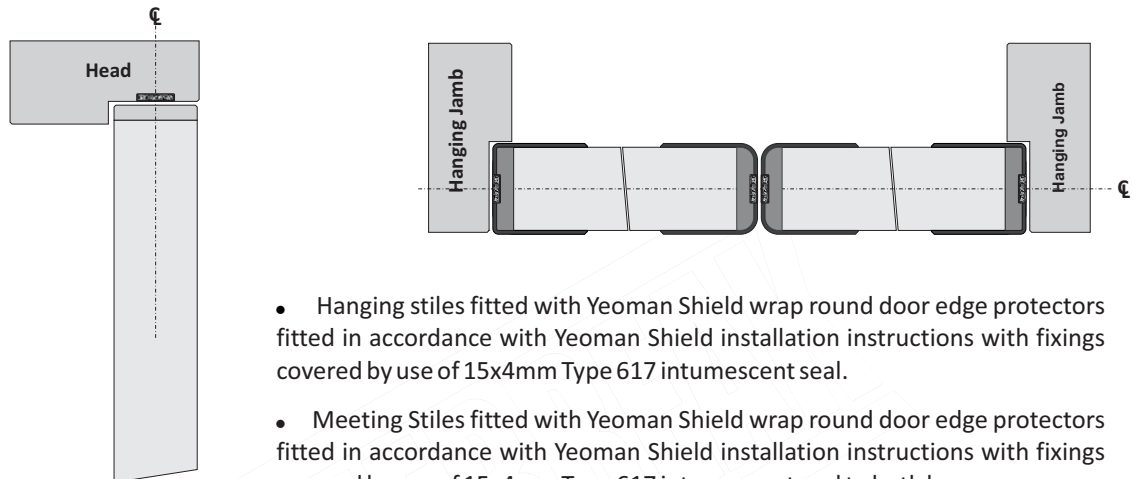
FLAMEBREAK 430
FLAMEBREAK 630
FLAMEBREAK FF630

FD30

**15x4+20x4mm Type 617 with
Yeoman Shield Door Edge protectors**

Q Single Action Double Leaf
- Door Height Assemblies

Fig. 4.46

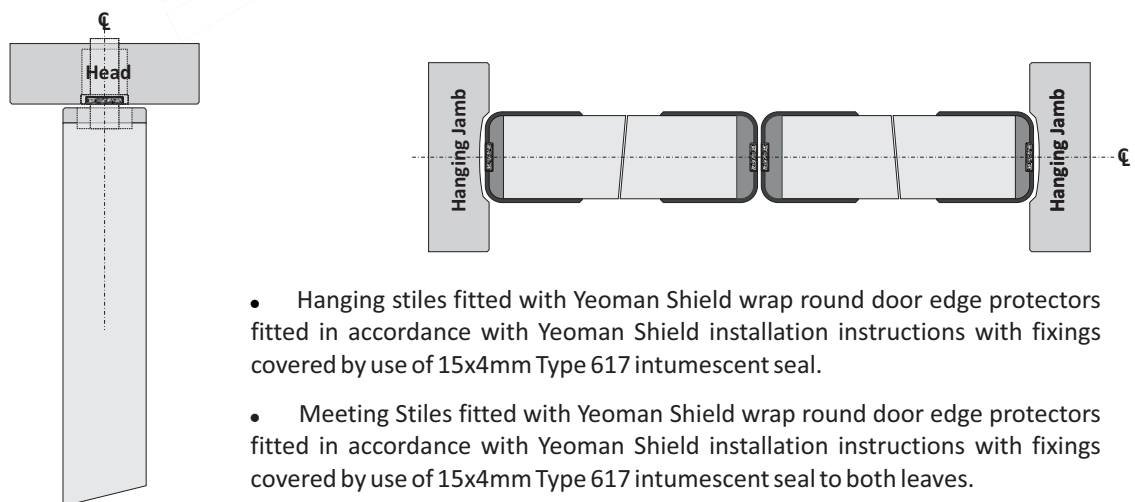


- Hanging stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 15x4mm Type 617 intumescent seal.
- Meeting Stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 15x4mm Type 617 intumescent seal to both leaves.
- A 20x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head.

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

Q Double Action Double leaf
- Door Height Assemblies

Fig. 4.47



- Hanging stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 15x4mm Type 617 intumescent seal.
- Meeting Stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 15x4mm Type 617 intumescent seal to both leaves.
- A 20x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head.

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



FLAMEBREAK 660 FD60

2x15x4mm Pyroplex Rigid Box

5mm separation

Q Single Leaf FD60 applications using 2x15x4mm Pyroplex Rigid Box Intumescent seals with 5mm separation.

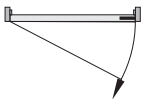
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

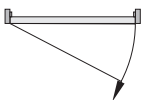


Latched Single leaf Single Action Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 5mm separation.

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

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

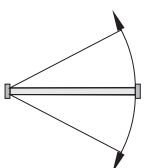


Unlatched Single leaf Single Action Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 5mm separation.

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

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



Double Action Single leaf Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 5mm separation.

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

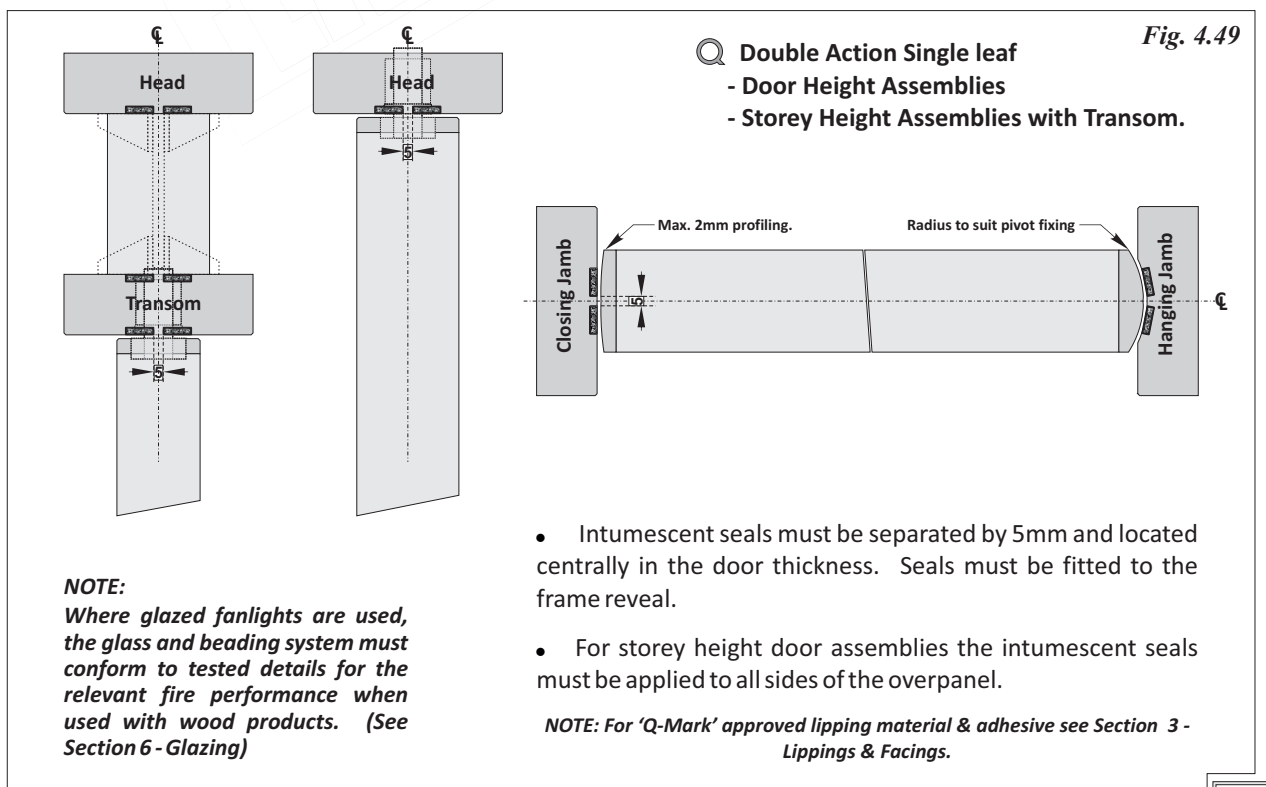
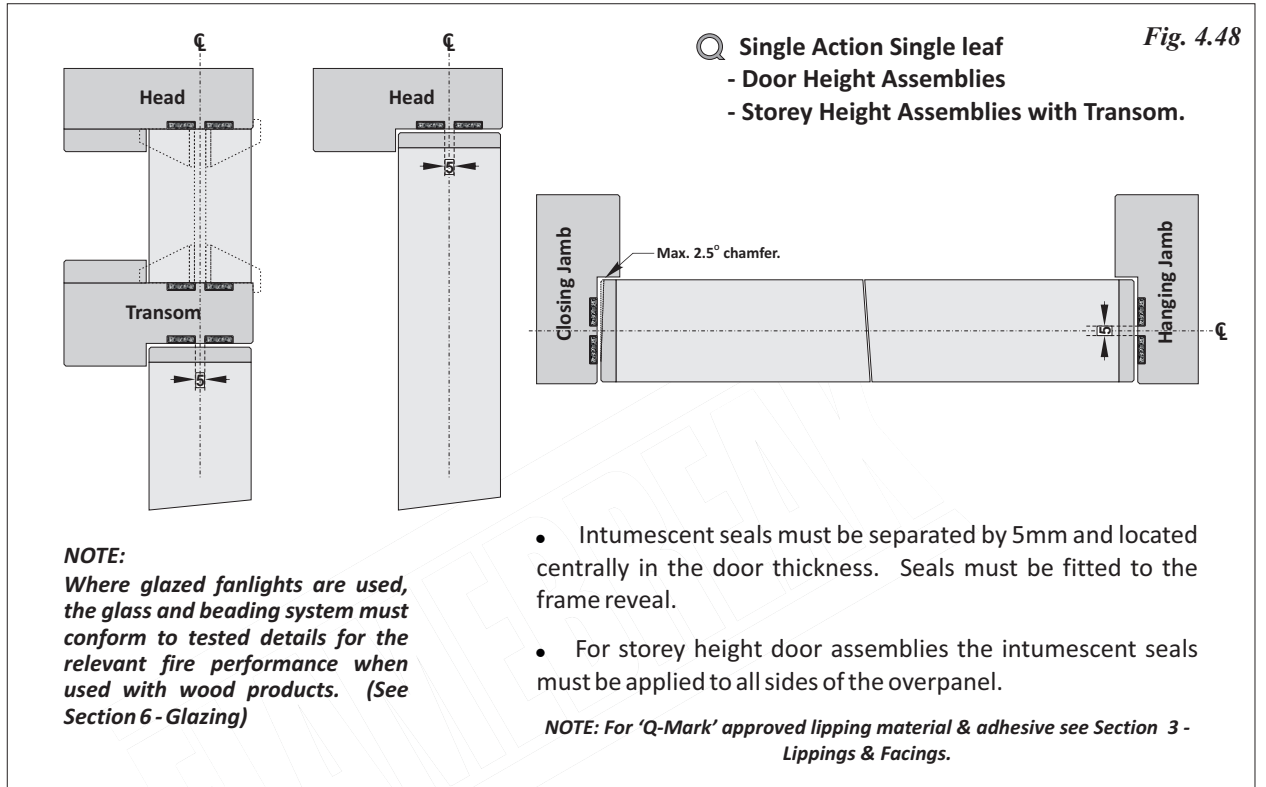
NOTE: For storey height door assemblies use 2x15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



FLAMEBREAK 660

FD60

2x15x4mm Pyroplex Rigid Box 5mm separation



4.52 Intumescent Seals

FLAMEBREAK

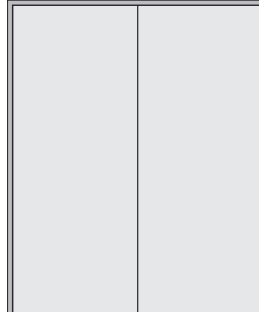
FLAMEBREAK 660 FD60

2x15x4mm Pyroplex Rigid Box

5mm separation

Q Double Leaf FD30 applications using 2x15x4mm Pyroplex Rigid Box Intumescent seals with 5mm separation.

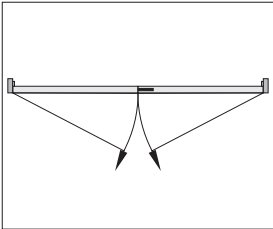
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

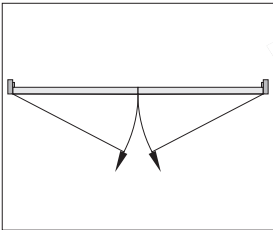
Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 5mm separation.

Meeting Stiles (Square) = 2x15x4mm PVC encased Pyroplex Rigid Box centre thickness in one leaf only with 5mm separation.

Door Leaf sizes: From: 2156 x 2x969mm
To: 2223 x 2x936mm

NOTE 1: For storey height door assemblies use 2x15x4mm 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 Door Assemblies (Pairs):

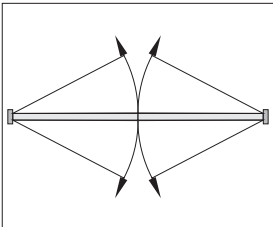
Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 5mm separation.

Meeting Stiles (Square) = 2x15x4mm PVC encased Pyroplex Rigid Box centre thickness in one leaf only with 5mm separation.

Door Leaf sizes: From: 2156 x 2x944mm
To: 2173 x 2x936mm

NOTE 1: For storey height door assemblies use 2x15x4mm 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 Door Assemblies (Pairs):

Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 5mm separation.

Meeting Stiles = 2x15x4mm PVC encased Pyroplex Rigid Box centre thickness in one leaf only with 5mm separation.

Door Leaf sizes: From: 2156 x 2x944mm
To: 2173 x 2x936mm

NOTE 1: For storey height door assemblies use 2x15x4mm 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 660

FD60

2x15x4mm Pyroplex Rigid Box 5mm separation

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

Fig. 4.50

Max. 2.5° chamfer. Max. 2.5° chamfer.

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.

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

Fig. 4.51

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

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.



4.54 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660 FD60

2x15x4mm Pyroplex Rigid Box

10mm separation

Q Single Leaf FD60 applications using 2x15x4mm Pyroplex Rigid Box Intumescent seals with 10mm separation.

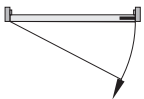
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

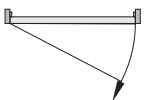


Latched Single leaf Single Action Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 10mm separation.

Door Leaf sizes: From: 2040 x 865mm
To: 2124 x 826mm

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

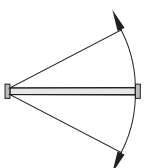


Unlatched Single leaf Single Action Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 10mm separation.

Door Leaf sizes: From: 2040 x 840mm
To: 2074 x 826mm

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



Double Action Single leaf Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 10mm separation.

Door Leaf sizes: From: 2040 x 840mm
To: 2074 x 826mm

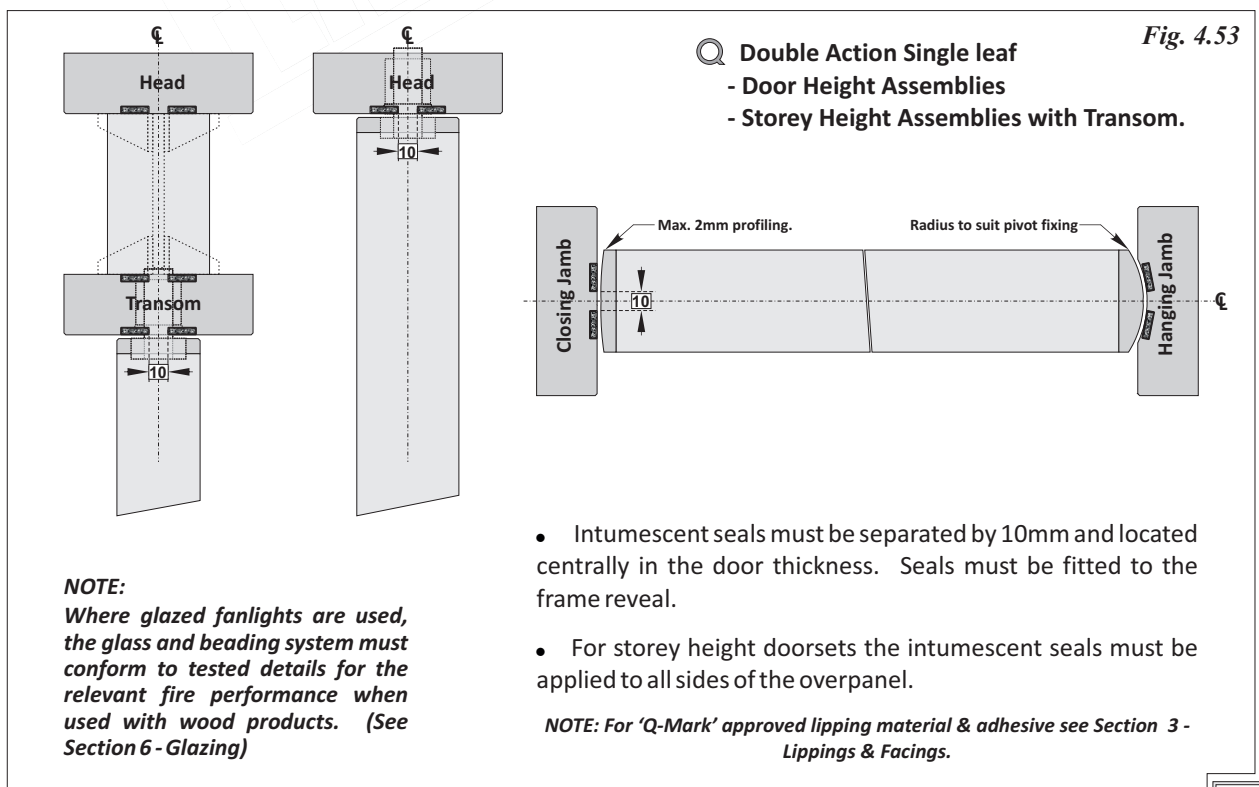
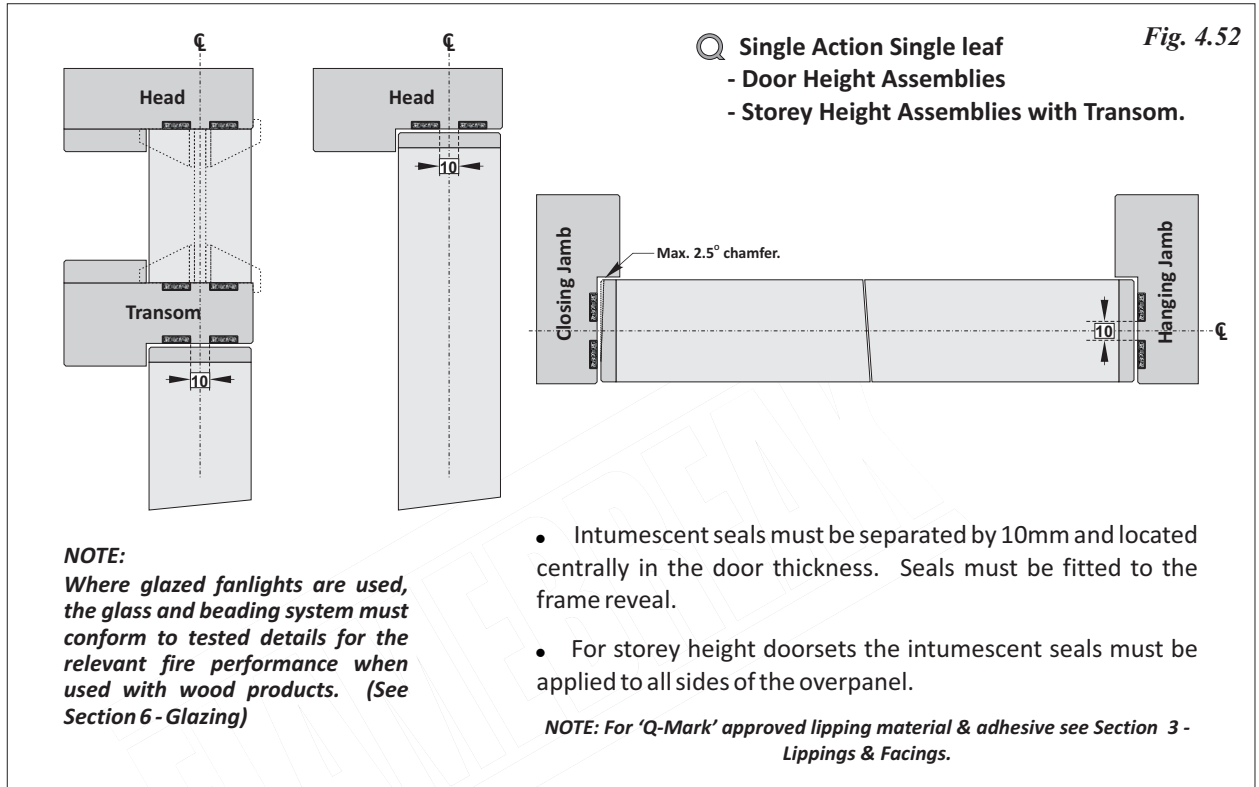
NOTE: For storey height door assemblies use 2x15x4mm PVC encased Pyroplex Rigid Box to all sides of the overpanel.



FLAMEBREAK 660

FD60

2x15x4mm Pyroplex Rigid Box 10mm separation



4.56 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660 FD60

2x15x4mm Pyrostrip 500P

10mm separation

Q Single Leaf FD60 applications using 2x15x4mm Pyrostrip 500P Intumescent seals with 10mm separation.

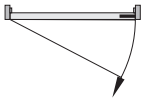
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

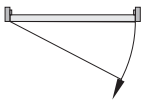


Latched Single leaf Single Action Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyrostrip 500P with 10mm separation.

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

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

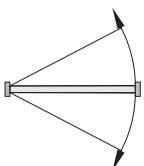


Unlatched Single leaf Single Action Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyrostrip 500P with 10mm separation.

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

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



Double Action Single leaf Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyrostrip P500 with 10mm separation.

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

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



FLAMEBREAK 660

FD60

2x15x4mm Pyrostrip 500P
10mm separation

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

Fig. 4.54

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. 4.55

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.



4.58 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660

FD60

30x4 + 2x15x4mm Pyrostrip 500P

10mm separation

Q Single Leaf FD60 applications using 30x4 at the head + 2x15x4mm at stiles Pyrostrip 500P Intumescent seals with 10mm separation.

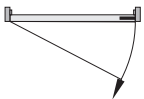
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom



Latched Single leaf Single Action Door Assemblies:

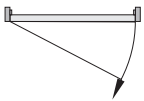
Head = 30x4mm PVC encased Pyrostrip 500P.

Jambs = 2x 15x4 PVC encased Pyrostrip 500P with 10mm separation.

Door Leaf sizes: From: 2155 x 1010mm

To: 2305 x 935mm

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



Unlatched Single leaf Single Action Door Assemblies:

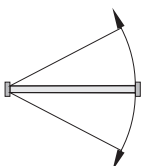
Head = 30x4mm PVC encased Pyrostrip 500P.

Jambs = 2x 15x4 PVC encased Pyrostrip 500P with 10mm separation.

Door Leaf sizes: From: 2155 x 985mm

To: 2255 x 935mm

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



Double Action Single leaf Door Assemblies:

Head = 30x4mm PVC encased Pyrostrip 500P.

Jambs = 2x 15x4 PVC encased Pyrostrip 500P with 10mm separation

Door Leaf sizes: From: 2155 x 985mm

To: 2255 x 935mm

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

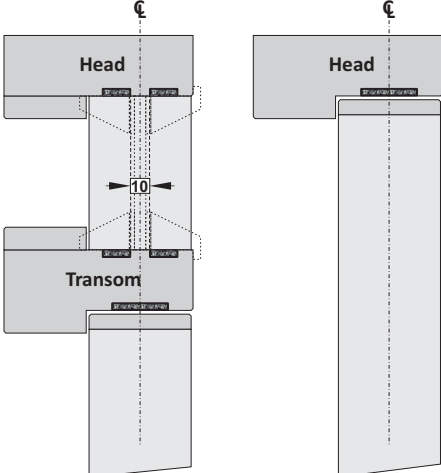
Exova Warrington fire Report Ref: FEA/F02141Rev. J Valid until 23rd. February 2023



FLAMEBREAK 660

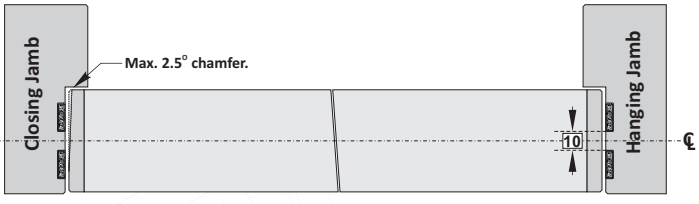
FD60

30x4 + 2x15x4mm Pyrostrip 500P
10mm separation



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

Fig. 4.56



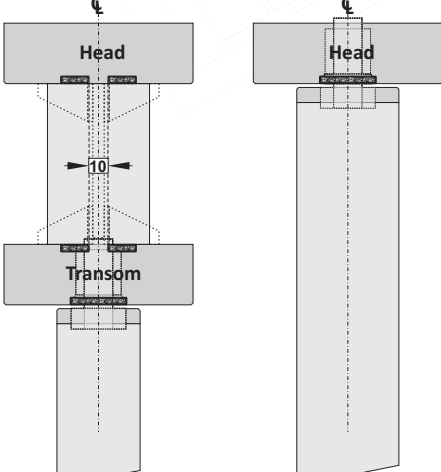
Max. 2.5° chamfer.

10

- 30x4mm Intumescent seal to the Head & 2x15x4 Intumescent seals to the Jambs separated by 10mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2x15x4mm intumescent seals must be applied to all sides of the overpanel.

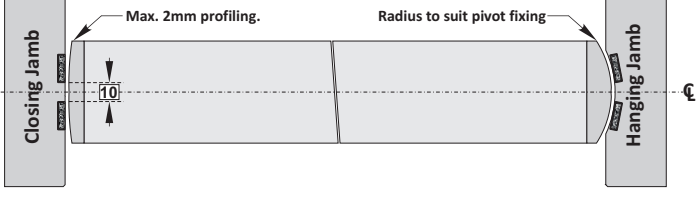
NOTE: For 'Q-Mark' approved lipping material & adhesive see Section 3 - Lippings & Facings.

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. 4.57



Max. 2mm profiling.

Radius to suit pivot fixing

10

- 30x4mm Intumescent seal to the Head & 2x15x4 Intumescent seals to the Jambs separated by 10mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- For storey height doorsets 2x15x4mm 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)



4.60 Intumescent Seals

FLAMEBREAK

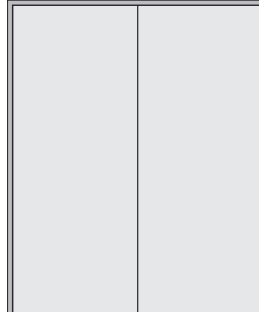
FLAMEBREAK 660 **FD60**

30x4 + 2x15x4mm Pyrostrip 500P

10mm separation

Q Double Leaf FD30 applications using 30x4 at the head + 2x15x4mm at stiles Pyrostrip 500P Intumescent seals with 10mm separation.

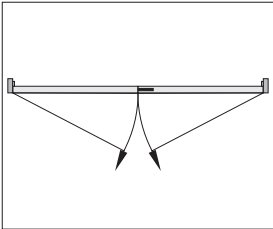
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Double leaf
Door Height
Doorsets



Double leaf
Storey Height
Doorsets
with Transom



Latched Double leaf Single Action Door Assemblies (Pairs):

Head = 30x4mm PVC encased Pyrostrip 500P with 5mm separation.

Jambs = 2x15x4mm PVC encased Pyrostrip 500P with 10mm separation.

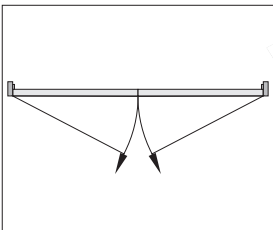
Meeting Stiles (Square) = 2x15x4mm PVC encased Pyrostrip 500P with 8mm separation.

Door Leaf sizes: From: 2155 x 2x960mm

To: 2205 x 2x935mm

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

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



Unlatched Double leaf Single Action Door Assemblies (Pairs):

Head = 30x4mm PVC encased Pyrostrip 500P with 5mm separation.

Jambs = 2x15x4mm PVC encased Pyrostrip 500P with 10mm separation.

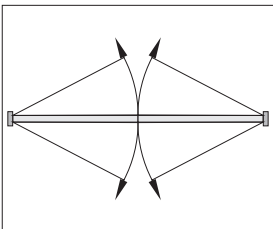
Meeting Stiles (Square) = 2x15x4mm PVC encased Pyrostrip 500P with 8mm separation.

Door Leaf sizes: From: 2155 x 2x935mm

To: 2155 x 2x935mm

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

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



Double Action Double leaf Door Assemblies (Pairs):

Head = 30x4mm PVC encased Pyrostrip 500P with 5mm separation.

Jambs = 2x15x4mm PVC encased Pyrostrip 500P with 10mm separation.

Meeting Stiles (Square) = 2x15x4mm PVC encased Pyrostrip 500P with 8mm separation.

Door Leaf sizes: From: 2155 x 2x935mm

To: 2155 x 2x935mm

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



Rebated Meeting Stiles:

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



FLAMEBREAK 660

FD60

30x4 + 2x15x4mm Pyrostrip 500P 10mm separation

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

Fig. 4.58

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)

- 30x4mm Intumescent seal to the Head & 2x15x4 Intumescent seals to the Jamb's separated by 10mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- At the meeting stiles, 2x15x4mm Pyrostrip 500P seals must be fitted to one leaf only, separated by 8mm centrally located in the door thickness.
- For storey height doorsets 2No. 15x4mm Pyrostrip 500P 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 Double 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)

- 30x4mm Intumescent seal to the Head & 2x15x4 Intumescent seals to the Jamb's separated by 10mm and located centrally in the door thickness. Seals must be fitted to the frame reveal.
- At the meeting stiles, 2x15x4mm Pyrostrip 500P seals must be fitted to one leaf only, separated by 8mm centrally located in the door thickness.

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



4.62 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660 **FD60**

30x4 + 2x15x4mm Lorient Type 617

10mm separation

Q Single Leaf FD60 applications using 30x4 at the head + 2x15x4mm at stiles Type 617 Intumescent seals with 10mm separation.

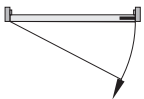
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom



Latched Single leaf Single Action Door Assemblies:

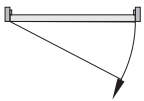
Head = 30x4mm PVC encased Lorient Type 617.

Jambs = 2x 15x4 PVC encased Lorient Type 617 with 10mm separation.

Door Leaf sizes: From: 2062 x 1067mm

To: 2112 x 927mm

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



Unlatched Single leaf Single Action Door Assemblies:

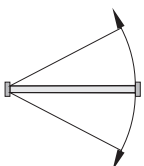
Head = 30x4mm PVC encased Lorient Type 617.

Jambs = 2x 15x4 PVC encased Lorient Type 617 with 10mm separation.

Door Leaf sizes: From: 2062 x 935mm

To: 2062 x 935mm

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



Double Action Single leaf Door Assemblies:

Head = 30x4mm PVC encased Lorient Type 617.

Jambs = 2x 15x4 PVC encased Lorient Type 617 with 10mm separation

Door Leaf sizes: From: 2062 x 935mm

To: 2062 x 935mm

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

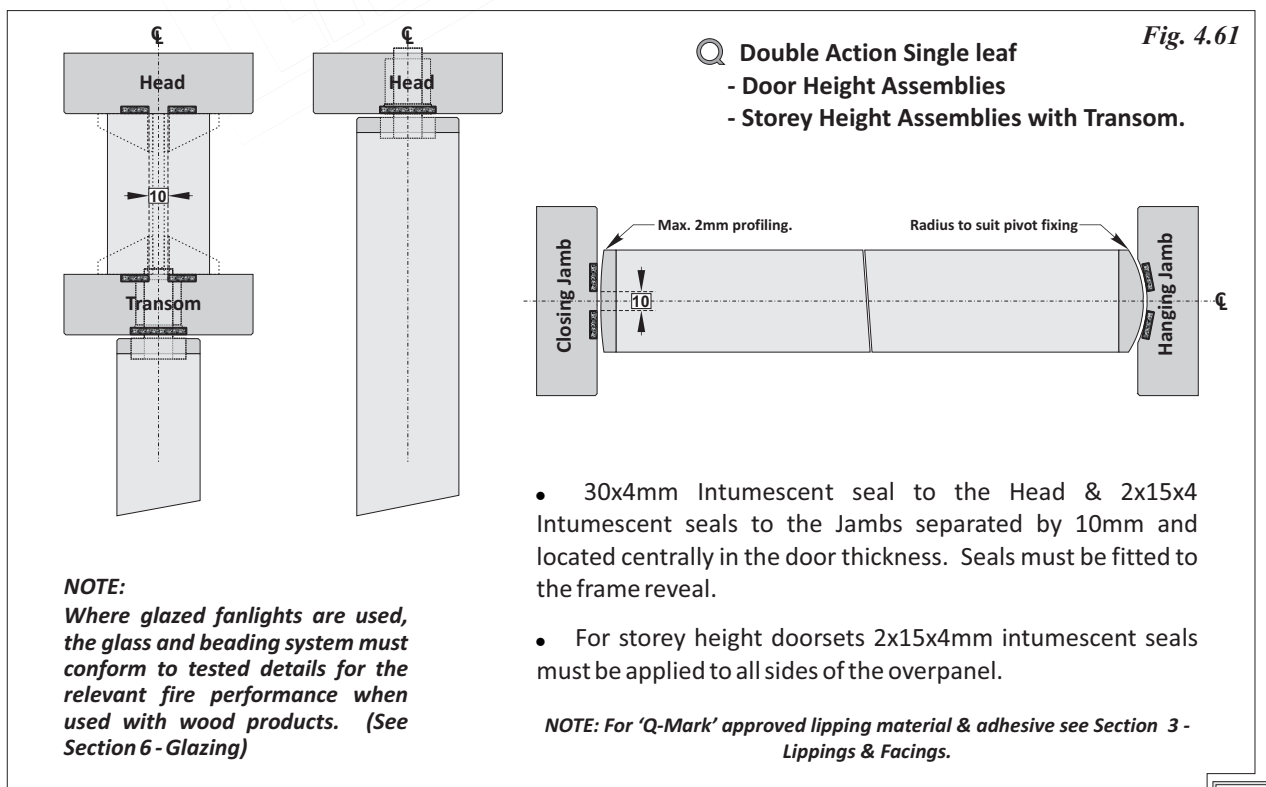
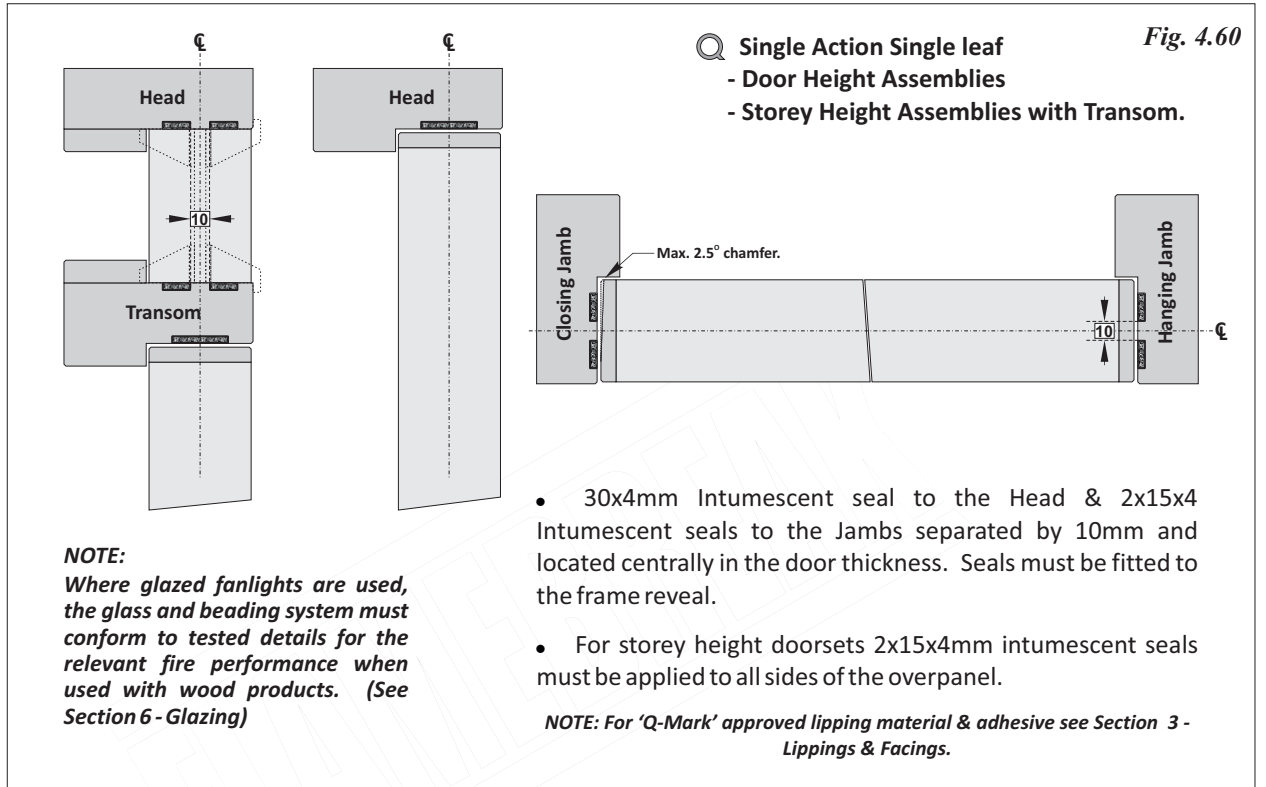


FLAMEBREAK 660

FD60

30x4 + 2x15x4mm Lorient Type 617

10mm separation



4.64 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660 **FD60**

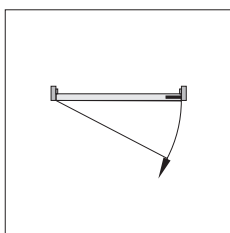
**2x15x4mm Type 617 with
Acrovyn Door Edge protectors
5mm separation**

Q Single Leaf FD60 applications using 15x4mm Type 617 Intumescent seals with 10mm separation used with CS Acrovyn Wrap Door Edge Protectors.

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



Single leaf
Door Height
Doorsets

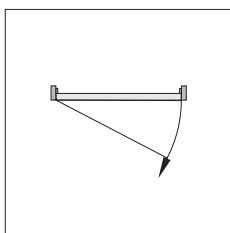


Latched Single leaf Single Action Door Assemblies:

Door Stiles = CS Acrovyn Door Edge Wrapped with 2x15x4mm with 10mm separation Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 970mm
To: 2255 x 900mm

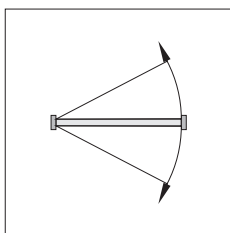


Unlatched Single leaf Single Action Door Assemblies:

Door Stiles = CS Acrovyn Door Edge Wrapped with 2x15x4mm with 10mm separation Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 970mm
To: 2255 x 900mm



Double Action Single leaf Door Assemblies:

Door Stiles = CS Acrovyn Door Edge Wrapped with 2x15x4mm with 10mm separation Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 970mm
To: 2255 x 900mm



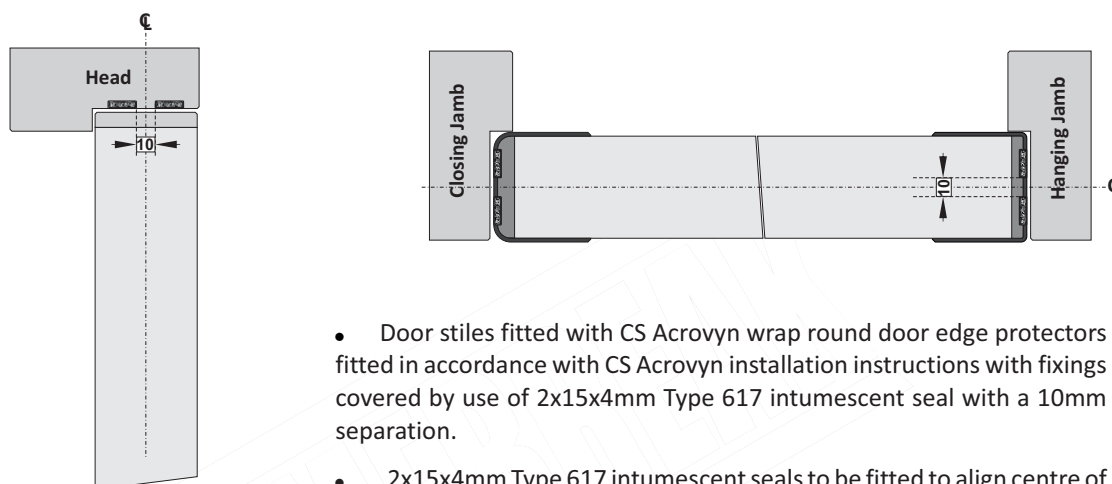
FLAMEBREAK 660

FD60

2x15x4mm Type 617 with
Acrovyn Door Edge protectors
5mm separation

Q Single Action Single leaf
 - Door Height Assemblies

Fig. 4.62

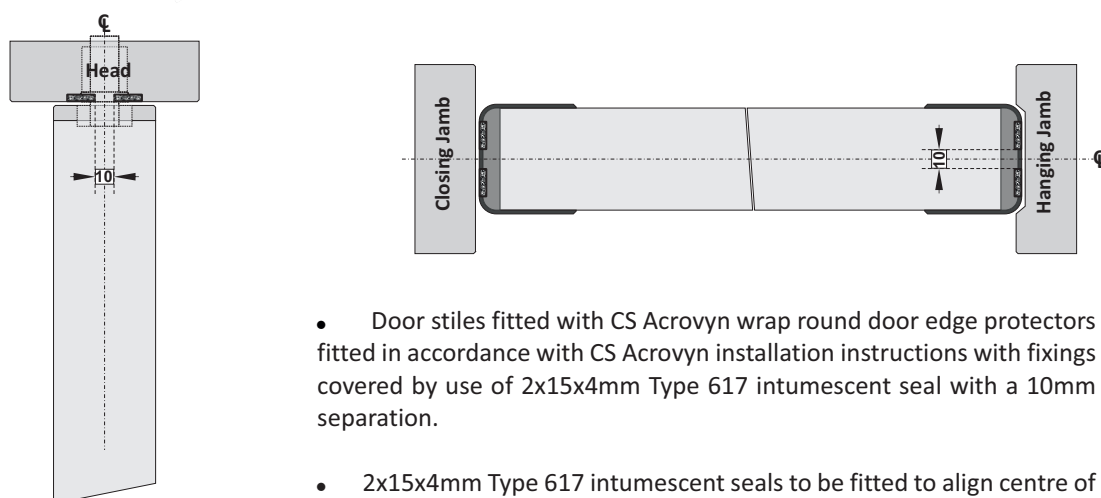


- Door stiles fitted with CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 2x15x4mm Type 617 intumescent seal with a 10mm separation.
- 2x15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.

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

Q Double Action Single leaf
 - Door Height Assemblies

Fig. 4.63



- Door stiles fitted with CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 2x15x4mm Type 617 intumescent seal with a 10mm separation.
- 2x15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.

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



4.66 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660 **FD60**

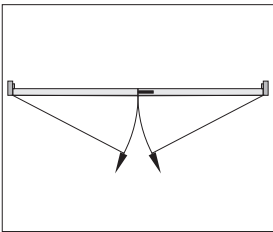
**2x15x4mm Type 617 with
Acrovyn Door Edge protectors
5mm separation**



Double leaf
Door Height
Doorsets

Q Double Leaf FD30 applications using 2x15x4mm at stiles Type 617 Intumescent seals with 10mm separation used with CS Acrovyn Wrap Door Edge Protectors.

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



Latched Double leaf Single Action Door Assemblies (Pairs):

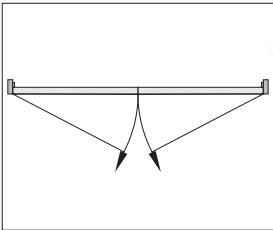
Hanging Stiles = CS Acrovyn Door Edge Wrapped with 2x15x4mm with 10mm separation Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal in both leaves.

Door Leaf sizes: From: 2100 x 2x945mm
To: 2205 x 2x900mm

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



Unlatched Double leaf Single Action Door Assemblies (Pairs):

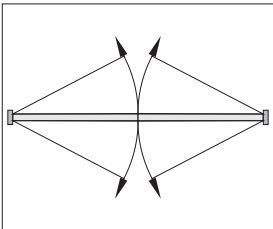
Hanging Stiles = CS Acrovyn Door Edge Wrapped with 2x15x4mm with 10mm separation Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal in both leaves.

Door Leaf sizes: From: 2100 x 2x945mm
To: 2205 x 2x900mm

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



Double Action Double leaf Door Assemblies (Pairs):

Hanging Stiles = CS Acrovyn Door Edge Wrapped with 2x15x4mm with 10mm separation Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = CS Acrovyn Door Edge Wrapped with 15x4mm Type 617 Intumescent Seal in both leaves.

Door Leaf sizes: From: 2100 x 2x945mm
To: 2205 x 2x900mm



Rebated Meeting Stiles:

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

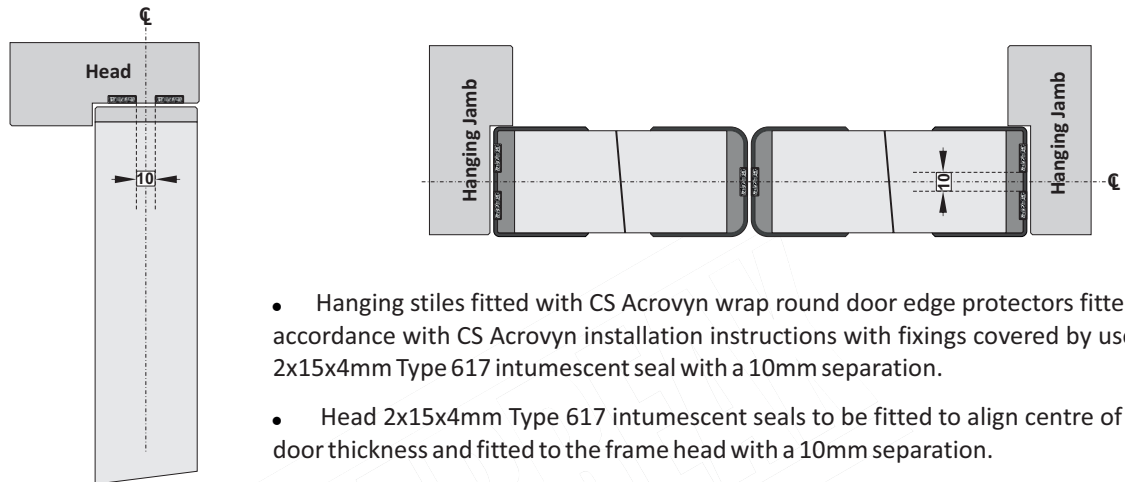
FLAMEBREAK 660

FD60

2x15x4mm Type 617 with
Acrovyn Door Edge protectors
5mm separation

Q Single Action Double leaf
 - Door Height Assemblies

Fig. 4.64

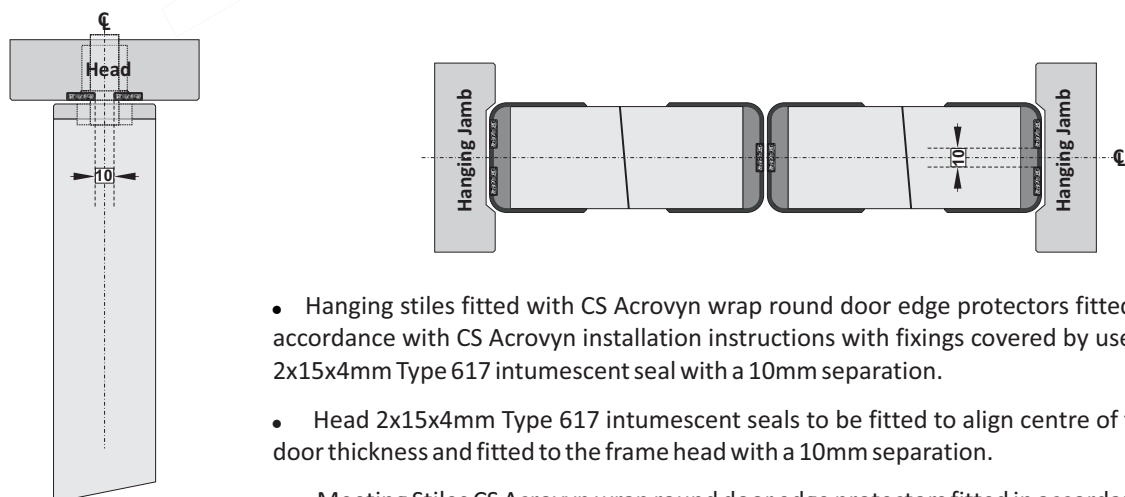


- Hanging stiles fitted with CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 2x15x4mm Type 617 intumescent seal with a 10mm separation.
- Head 2x15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.
- Meeting Stiles CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 1 No. 15x4 Type 617 located centre thickness to both leaves.

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

Q Double Action Double leaf
 - Door Height Assemblies

Fig. 4.65



- Hanging stiles fitted with CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 2x15x4mm Type 617 intumescent seal with a 10mm separation.
- Head 2x15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.
- Meeting Stiles CS Acrovyn wrap round door edge protectors fitted in accordance with CS Acrovyn installation instructions with fixings covered by use of 1 No. 15x4 Type 617 located centre thickness to both leaves.

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



FLAMEBREAK 660 **FD60**

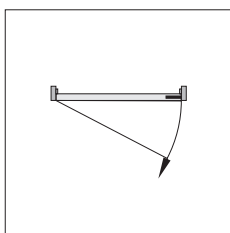
20x4 + 2x15x4mm Type 617 with Yeoman Shield Edge protectors
10mm separation



Single leaf
Door Height
Doorsets

Q Single Leaf FD60 applications using 20x4 + 2x15x4mm Type 617 Intumescent seals with 10mm separation used with Yeoman Shield Wrap Door Edge Protectors.

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

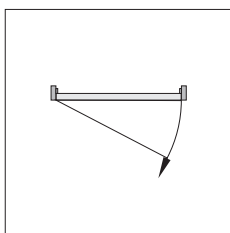


Latched Single leaf Single Action Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1026mm
To: 2250 x 926mm

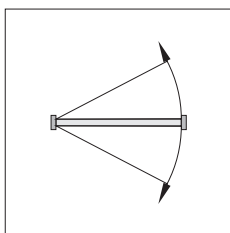


Unlatched Single leaf Single Action Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1026mm
To: 2250 x 926mm



Double Action Single leaf Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1026mm
To: 2250 x 926mm



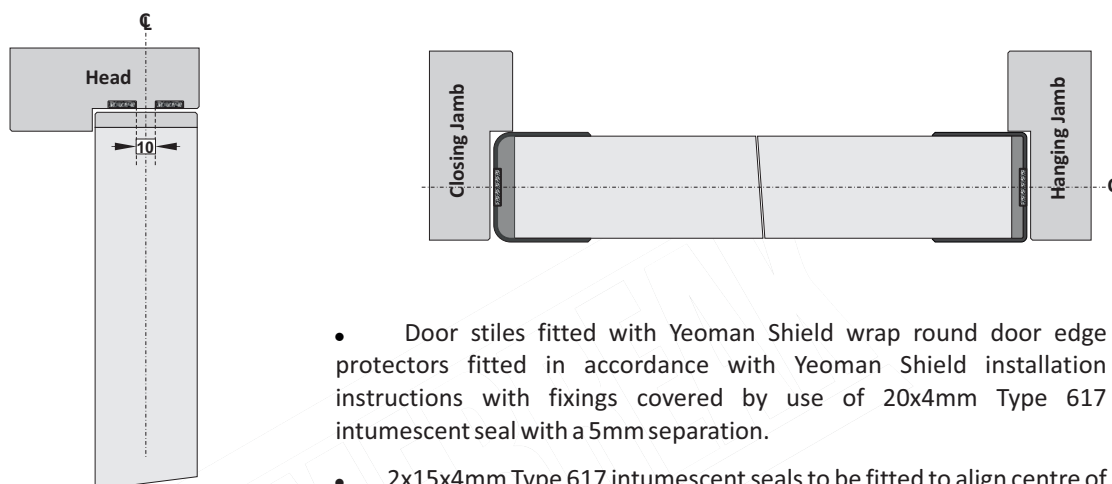
FLAMEBREAK 660

FD60

20x4 + 2x15x4mm Type 617 with Yeoman Shield Edge protectors
10mm separation

Q Single Action Single leaf
- Door Height Assemblies

Fig. 4.66

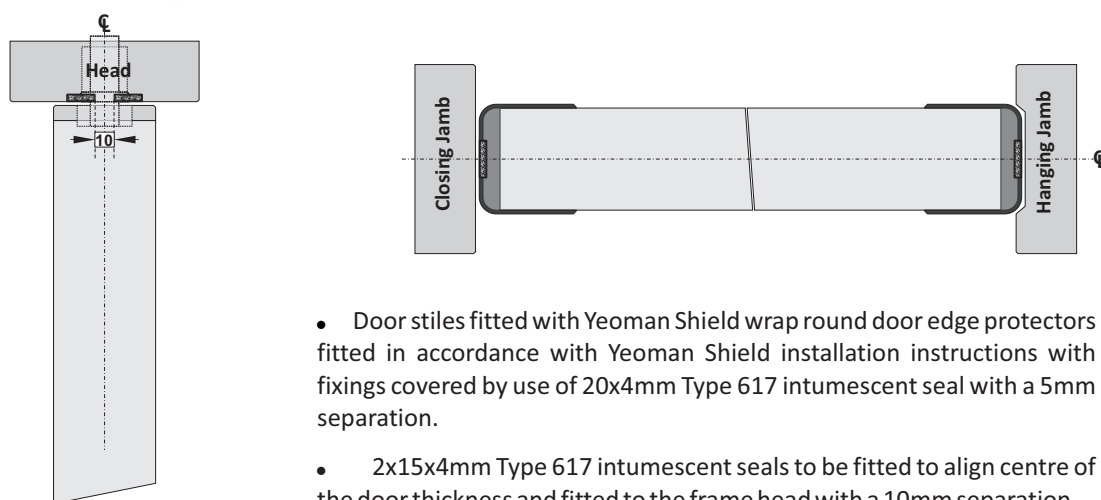


- Door stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal with a 5mm separation.
- 2x15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.

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

Q Double Action Single leaf
- Door Height Assemblies

Fig. 4.67



- Door stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal with a 5mm separation.
- 2x15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.

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



4.70 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660 **FD60**

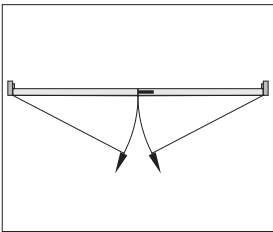
**20x4 + 2x15x4mm Type 617 with
Yeoman Shield Edge protectors
10mm separation**



Double leaf
Door Height
Doorsets

Q Double Leaf FD60 applications using 20x4 + 2x15x4mm Type 617 Intumescent seals with 10mm separation used with Yeoman Shield Wrap Door Edge Protectors.

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



Latched Double leaf Single Action Door Assemblies (Pairs):

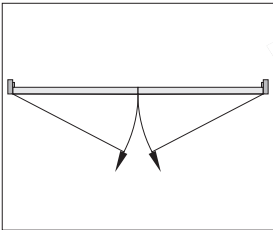
Hanging Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = Yeoman Shield Door Edge Wrapped with 20x4mm Type 617 Intumescent Seal to both leaves.

Door Leaf sizes: From: 2100 x 2x1026mm
To: 2250 x 2x826mm

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



Unlatched Double leaf Single Action Door Assemblies (Pairs):

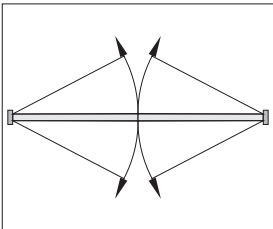
Hanging Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = Yeoman Shield Door Edge Wrapped with 20x4mm Type 617 Intumescent Seal to both leaves..

Door Leaf sizes: From: 2100 x 2x1026mm
To: 2250 x 2x826mm

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



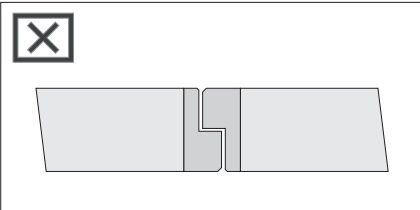
Double Action Double leaf Door Assemblies (Pairs):

Hanging Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x 15x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = Yeoman Shield Door Edge Wrapped with 20x4mm Type 617 Intumescent Seal to both leaves..

Door Leaf sizes: From: 2100 x 2x1026mm
To: 2250 x 2x826mm



Rebated Meeting Stiles:

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

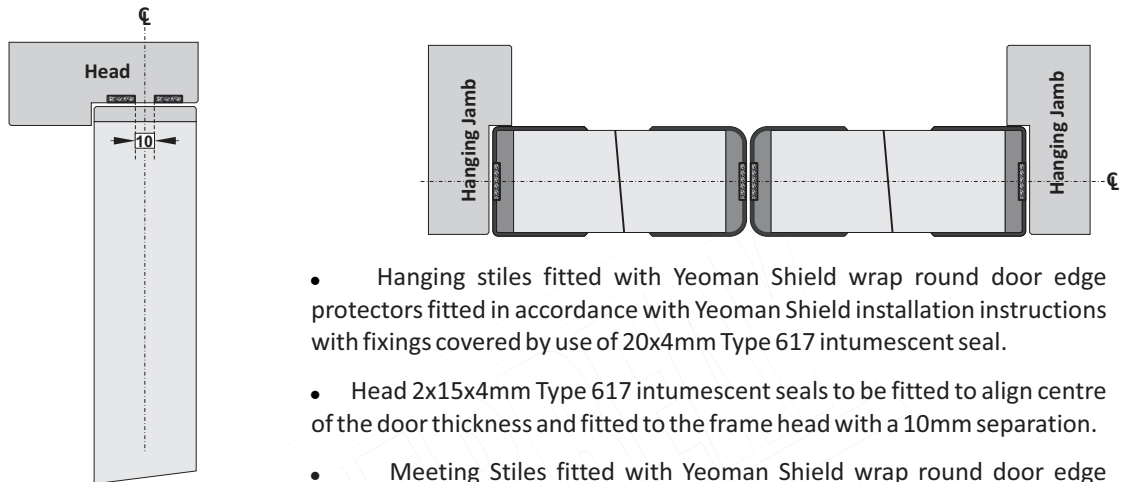
FLAMEBREAK 660

FD60

**20x4 + 2x15x4mm Type 617 with
Yeoman Shield Edge protectors**
10mm separation

Q Single Action Double leaf
- Door Height Assemblies

Fig. 4.68

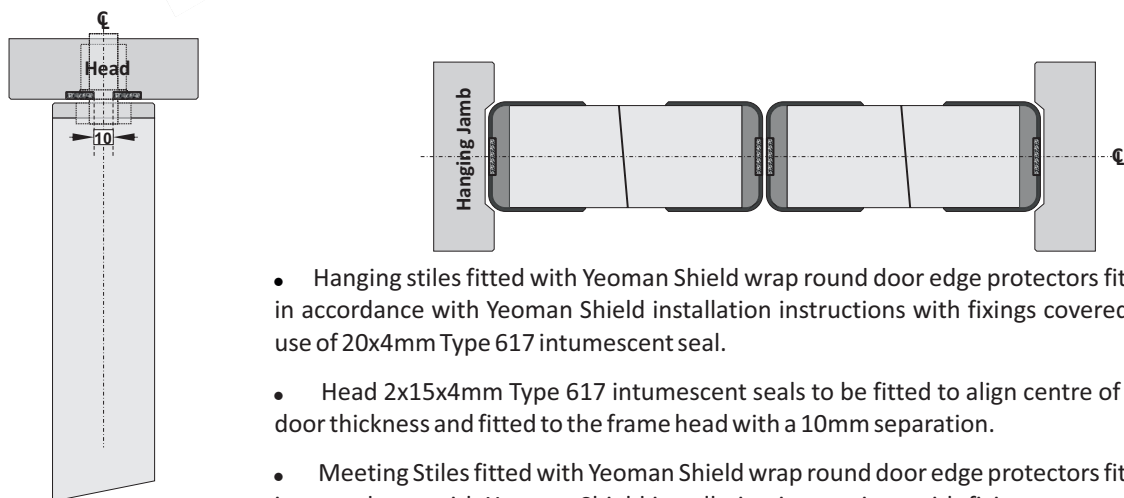


- Hanging stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal.
- Head 2x15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.
- Meeting Stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal to both leaves.

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

Q Double Action Double leaf
- Door Height Assemblies

Fig. 4.69



- Hanging stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal.
- Head 2x15x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.
- Meeting Stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal to both leaves.

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



4.72 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660 **FD60**

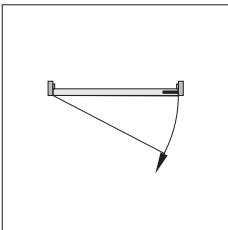
**20x4 + 2x20x4mm Type 617 with
Yeoman Shield Edge protectors**
10mm separation

Q Single Leaf FD60 applications using 20x4 + 2x20x4mm Type 617 Intumescent seals with 10mm separation used with Yeoman Shield Wrap Door Edge Protectors.

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



Single leaf
Door Height
Doorsets

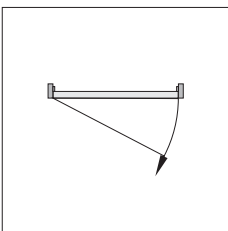


Latched Single leaf Single Action Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x20x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1026mm
To: 2300 x 926mm

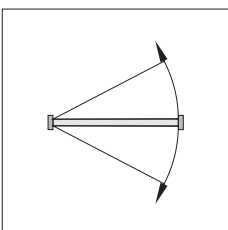


Unlatched Single leaf Single Action Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x20x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1026mm
To: 2300 x 926mm



Double Action Single leaf Door Assemblies:

Door Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x20x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Door Leaf sizes: From: 2100 x 1026mm
To: 2300 x 926mm



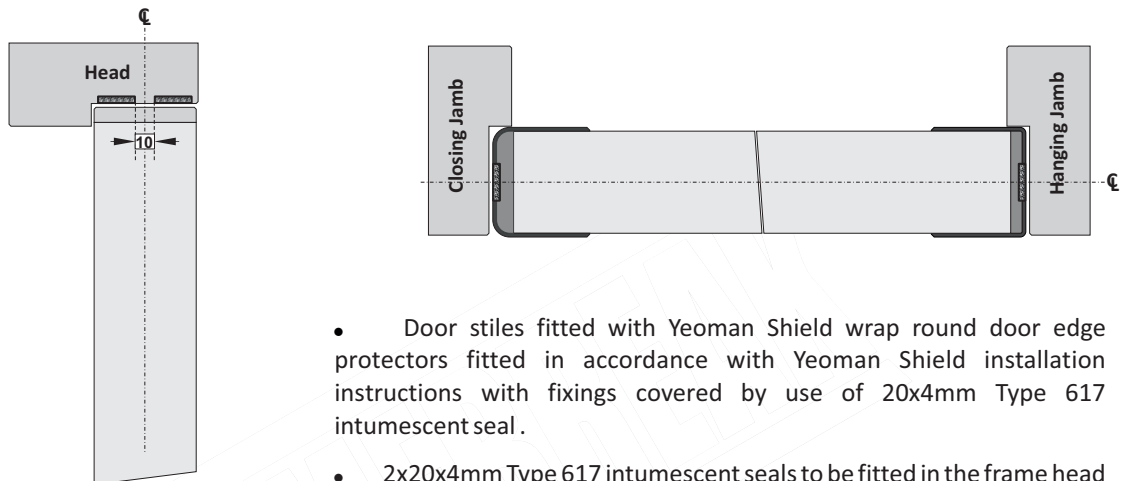
FLAMEBREAK 660

FD60

2x20x4 + 2x15x4mm Type 617 with Yeoman Shield Edge protectors
10mm separation

Q Single Action Single leaf
- Door Height Assemblies

Fig. 4.70

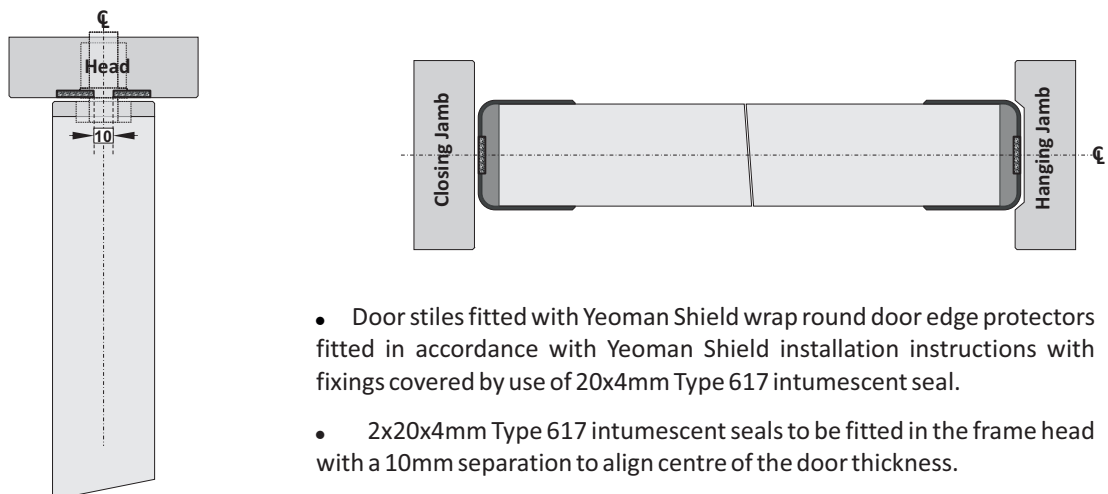


- Door stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal.
- 2x20x4mm Type 617 intumescent seals to be fitted in the frame head with a 10mm separation to align centre of the door thickness.

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

Q Double Action Single leaf
- Door Height Assemblies

Fig. 4.71



- Door stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal.
- 2x20x4mm Type 617 intumescent seals to be fitted in the frame head with a 10mm separation to align centre of the door thickness.

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



4.74 Intumescent Seals

FLAMEBREAK

FLAMEBREAK 660 **FD60**

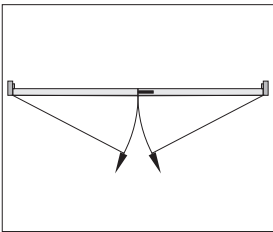
**20x4 + 2x20x4mm Type 617 with
Yeoman Shield Edge protectors**
10mm separation



Double leaf
Door Height
Doorsets

Q Double Leaf FD60 applications using 20x4 + 2x20x4mm Type 617 Intumescent seals with 10mm separation used with Yeoman Shield Wrap Door Edge Protectors.

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



Latched Double leaf Single Action Door Assemblies (Pairs):

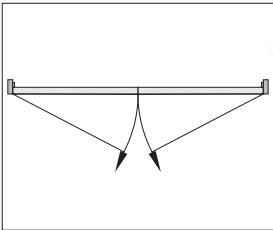
Hanging Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x20x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = Yeoman Shield Door Edge Wrapped with 20x4mm Type 617 Intumescent Seal to both leaves.

Door Leaf sizes: From: 2100 x 2x1026mm
To: 2300 x 2x826mm

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



Unlatched Double leaf Single Action Door Assemblies (Pairs):

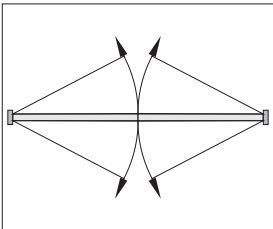
Hanging Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x20x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = Yeoman Shield Door Edge Wrapped with 20x4mm Type 617 Intumescent Seal to both leaves.

Door Leaf sizes: From: 2100 x 2x1026mm
To: 2300 x 2x826mm

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



Double Action Double leaf Door Assemblies (Pairs):

Hanging Stiles = Yeoman Shield Door Edge Wrapped with 20x4mm with Type 617 Intumescent Seal.

Head = 2x20x4mm with 10mm separation Type 617 Intumescent Seal fitted in the frame head.

Meeting Stiles (Square) = Yeoman Shield Door Edge Wrapped with 20x4mm Type 617 Intumescent Seal to both leaves.

Door Leaf sizes: From: 2100 x 2x1026mm
To: 2300 x 2x826mm



Rebated Meeting Stiles:

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



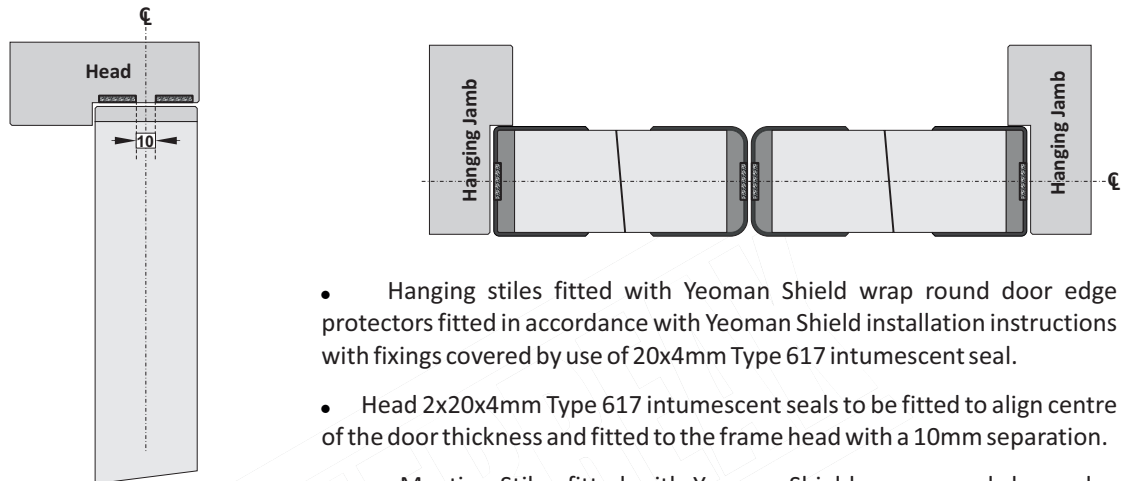
FLAMEBREAK 660

FD60

**20x4 + 2x20x4mm Type 617 with
Yeoman Shield Edge protectors**
10mm separation

Q Single Action Double leaf
- Door Height Assemblies

Fig. 4.72

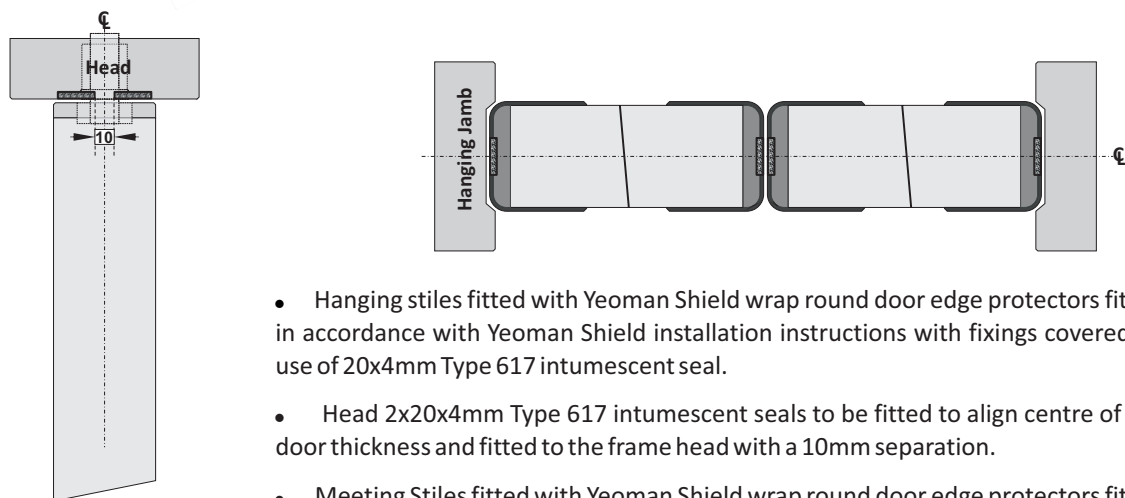


- Hanging stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal.
- Head 2x20x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.
- Meeting Stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal to both leaves.

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

Q Double Action Double leaf
- Door Height Assemblies

Fig. 4.73



- Hanging stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal.
- Head 2x20x4mm Type 617 intumescent seals to be fitted to align centre of the door thickness and fitted to the frame head with a 10mm separation.
- Meeting Stiles fitted with Yeoman Shield wrap round door edge protectors fitted in accordance with Yeoman Shield installation instructions with fixings covered by use of 20x4mm Type 617 intumescent seal to both leaves.

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



4.76 Intumescent Seals

FLAMEBREAK

FLAMEBREAK FF660 **FD60**

2x15x4mm Pyrostrip 500P

10mm separation

Q Single Leaf FD60 applications using 2x15x4mm Pyrostrip 500P Intumescent seals with 10mm separation.

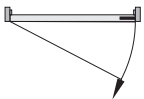
NOTE: See Section 7 - Doorframes for 'Q-Mark' approved minimum frame section dimensions for fire door applications.



Single leaf
Door Height
Doorsets



Single leaf
Storey Height
Doorsets
with Transom

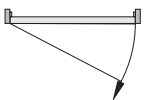


Latched Single leaf Single Action Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyrostrip 500P with 10mm separation.

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

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

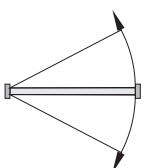


Unlatched Single leaf Single Action Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyrostrip 500P with 10mm separation.

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

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



Double Action Single leaf Door Assemblies:

Jamb & Head = 2x15x4mm PVC encased Pyroplex Rigid Box with 10mm separation.

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

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



FLAMEBREAK FF660 FD60

2x15x4mm Pyrostrip 500P
10mm separation

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

Fig. 4.74

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. 4.75

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.

