

13

Section 13

Panelled Doors



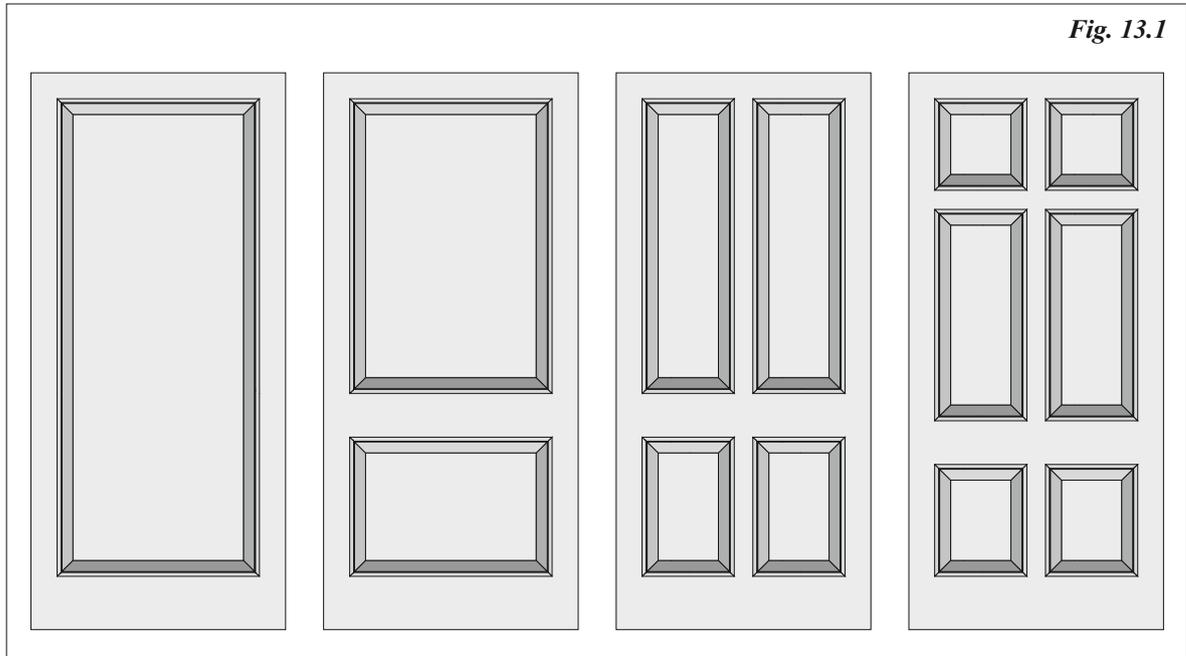


Fig. 13.1

Strebord Panelled Doors:

Strebord cores can be used for the manufacture of panelled appearance doors in a wide range of designs and configurations and providing for fire resistant performances up to FD60 (BS476 Pt.22) subject to the following limitations:

The basic core construction is routed to a depth of 10mm on each face with decorative panels (*min. 3mm thickness MDF*) secured with adhesives into the recess. Panels may be further secured using a simple hardwood beading system.

Some panelled elements of the door leaves may be replaced with glazing within the limits described by reference to Pages 13.6 (Glass & Glazing) of this manual.

For performances up to FD30 (BS476 Pt.22) doorsets can be manufactured to suit the dimensional applications and configurations described by reference to Pages 13.9 ~ 13.13 (Fire door Applications) and Pages 13.14 ~ 13.21 (Intumescent sealing).

NOTE: Dimensions and configurations are more limited for FD60 applications as defined in this section See Pages 13.13 & 13.22.

Hardware can generally be selected and used as described by reference to Section 9 - Hardware but with further restrictions as described by reference to Page 13.8.

When routing door faces for fire rated doorsets to produce the panelled appearance the following minimum dimensions apply:

Non Fire Rated & FD30:

- a/ Stiles:** Min. width = 100mm.
- b/ Mullions:** Min. width = 80mm.
- c/ Top rail:** Min. depth = 100mm.
- d/ Bottom rail:** Min. depth = 170mm
- e/ Single mid rail:** Min. depth = 160mm.
- f/ Intermediate rails:** Min. depth = 80mm.

NOTE: Where more than one horizontal rail is formed between the top and bottom rail the depth dimension for each rail can be reduced from Min. 160mm to Min. 80mm

FD60:

- a/ Stiles:** Min. width = 100mm.
- b/ Mullions:** Min. width = 80mm.
- c/ Top rail:** Min. depth = 100mm.
- d/ Bottom rail:** Min. depth = 200mm
- e/ Single mid rail:** Min. depth = 170mm.
- f/ Intermediate rails:** Min. depth = 80mm.

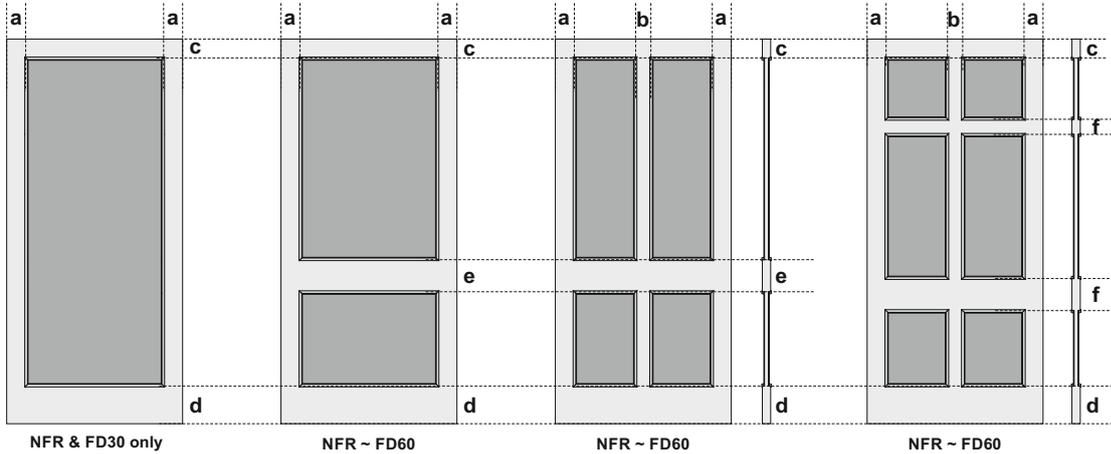
NOTE: Where more than one horizontal rail is formed between the top and bottom rail the depth dimension for each rail can be reduced from Min. 170mm to Min. 80mm



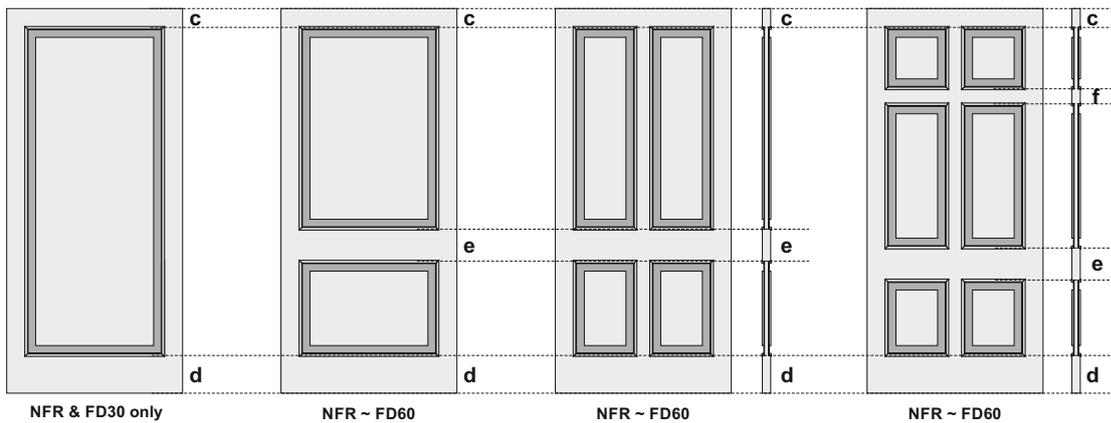
Minimum Stile, Rail & Mullion Dimensions for Fire Door Applications:

Recessed Panel Design Options:

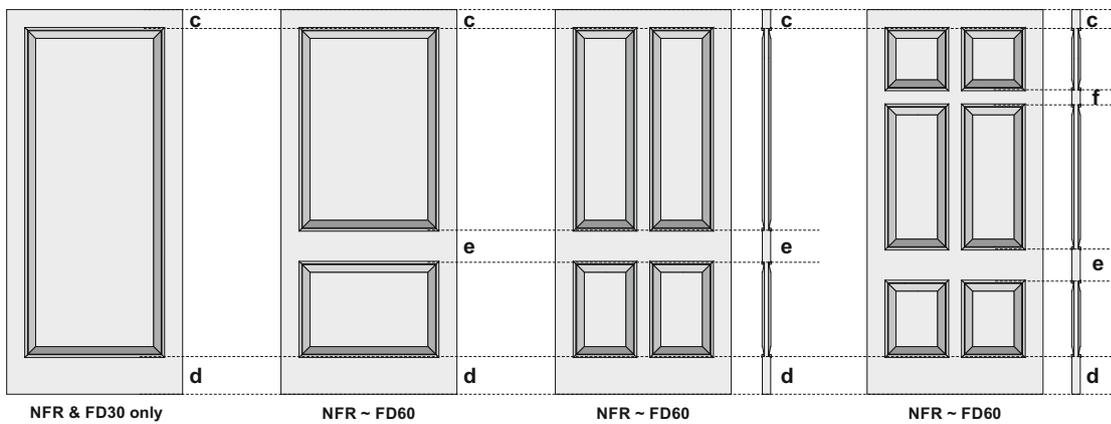
Fig. 13.2



Planted Panel Design Options:



Raised & Fielded Panel Design Options:



NOTES:

1/ See page 13.1 for approved minimum dimensions a, b, c, d, e & f.

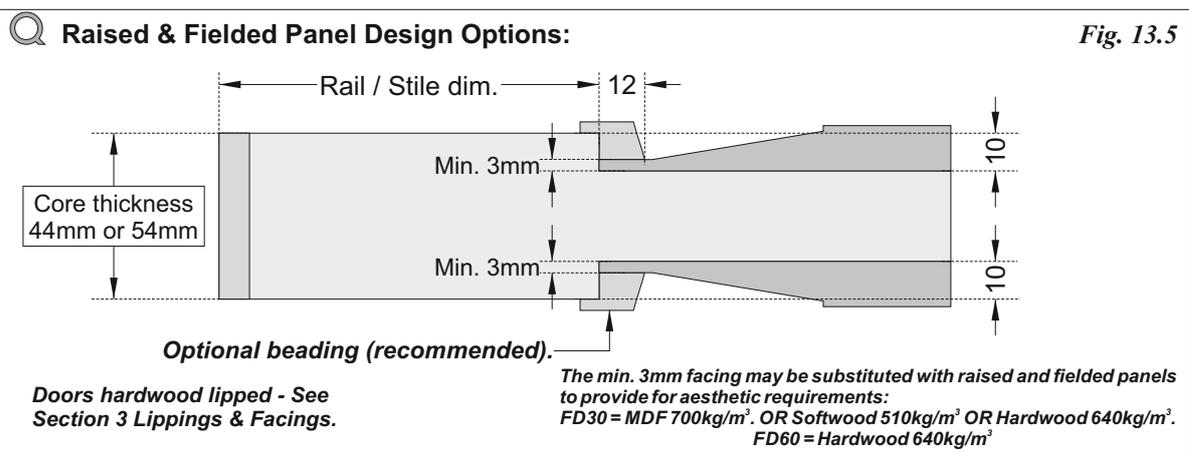
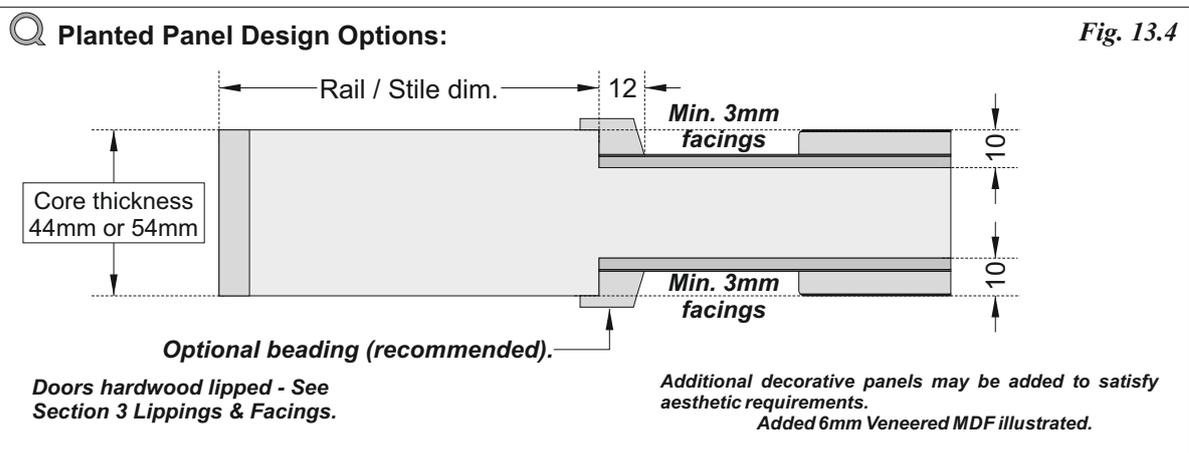
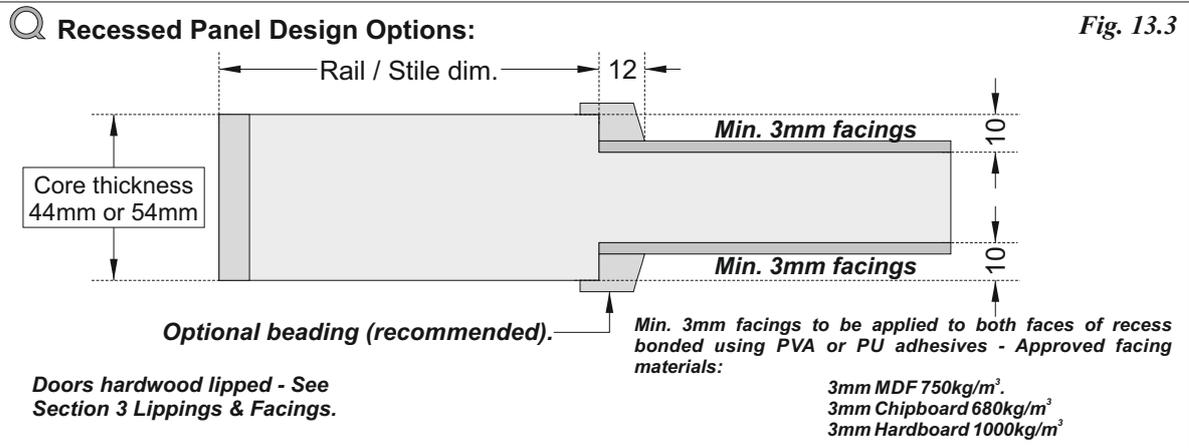
2/ Where a single horizontal mid rail is used: Minimum mid rail height : FD30 = 160mm. FD60 = 170mm.

3/ Where intermediate rails are used (more than one horizontal rail) the minimum intermediate rail height = 80mm.

4/ All mullion widths = Min. 80mm



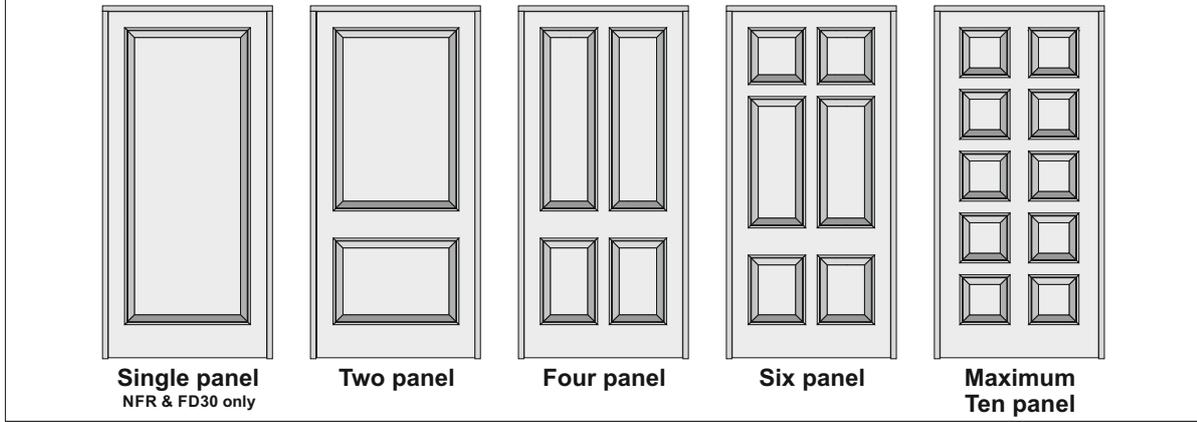
Strebord Panelled Door Construction Options:



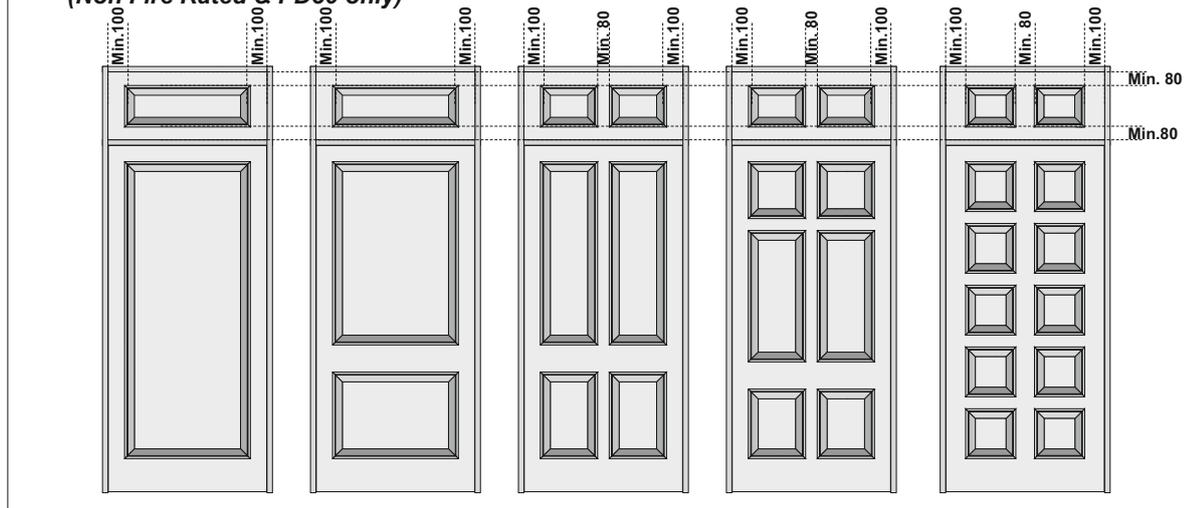
Panelled Doors

Single Leaf Configurations:

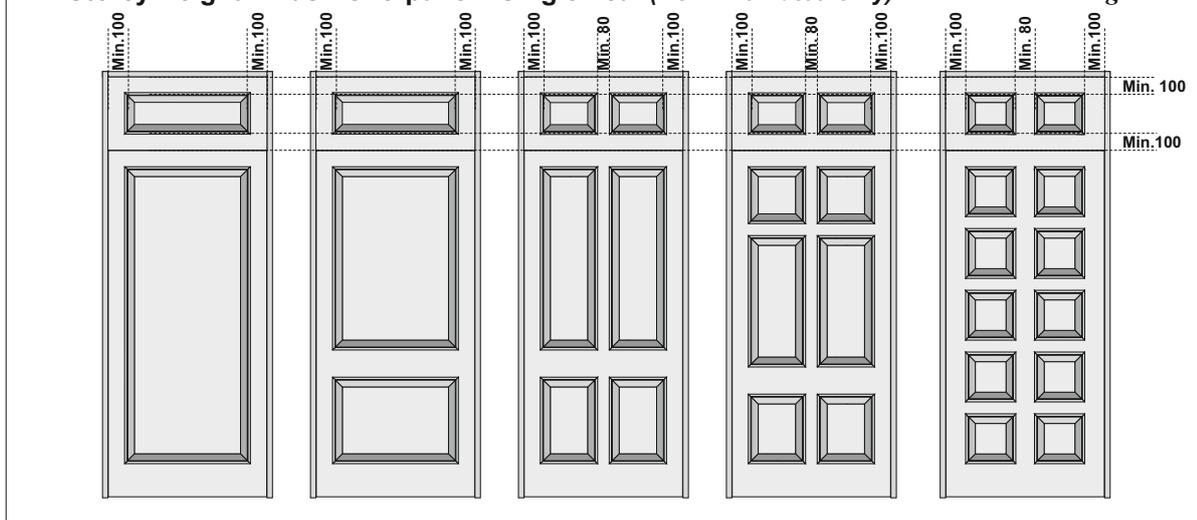
Q Door Height - Single Leaf (Non Fire Rated, FD30 and FD60) Fig. 13.6



Q Storey Height - Transomed Overpanel OR Fanlight - Single Leaf (Non Fire Rated & FD30 only) Fig. 13.7



Storey Height - Flush Overpanel - Single Leaf (Non Fire Rated only) Fig. 13.8



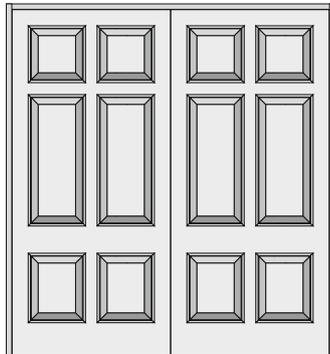
NOTE: Detail applies to all panel designs - Raised and Fielded panel design illustrated.



Double Leaf (Pairs) Configurations:

Q Door Height - Double Leaf (Non Fire Rated & FD30 only)

Fig. 13.9



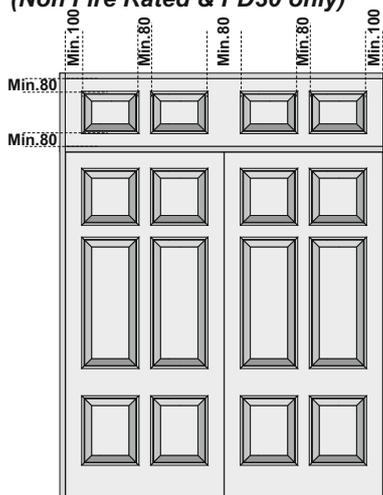
Panelled door doorsets can be supplied in double leaf configurations with panel options as described by reference to *Pages 13.2 and 13.3* with a maximum of 10 panels per door leaf.

See *Pages 13.9 ~ 13.12 (Fire door Applications)* and *Pages 13.14 ~ 13.21 (Intumescent sealing)* for dimensional limitations related to FD30 (BS476 Pt.22) fire door applications.

NOTE: Not approved for FD60 (BS476 Pt.22) Applications

Q Storey Height - Transomed Overpanel OR Fanlight - Double Leaf (Non Fire Rated & FD30 only)

Fig. 13.10



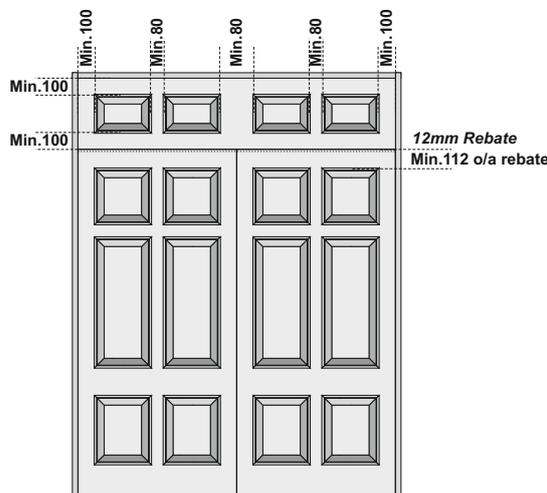
Storey Height Panelled door doorsets with transomed overpanels or fanlights can be supplied in double leaf (*pairs*) configurations with panel options as described by reference to *Pages 13.2 and 13.3* with a maximum of 10 panels per door leaf.

See *Pages 13.9 ~ 13.12 (Fire door Applications)* and *Pages 13.14 ~ 13.21 (Intumescent sealing)* for dimensional limitations related to FD30 (BS476 Pt.22) fire door applications.

NOTE: Not approved for FD60 (BS476 Pt.22) Applications

Storey Height - Flush Overpanel - Single Leaf (Non Fire Rated only)

Fig. 13.11



Storey Height Panelled door doorsets with flush overpanels can be supplied in double leaf (*pairs*) configurations for non fire rated applications only.

NOTE: Not approved for FD30 or FD60 (BS476 Pt.22) Applications



Panelled Doors

Glazing Panelled Doors FD30:

Q Glazing Panelled Doors:

Panelled areas may be replaced with glazing where required. (**NOTE: Max. 0.7m² glazed area See below**)

For fire rated doorsets up to FD30 (BS476 Pt.22) glass types and glazing systems must comply with the details described by reference to *Section 6 - Glass and Glazing*.

Profiled beading to create 'period' appearances may be used in conjunction with insulating glass types only.

NOTE: Glazing is not approved for FD60 applications.

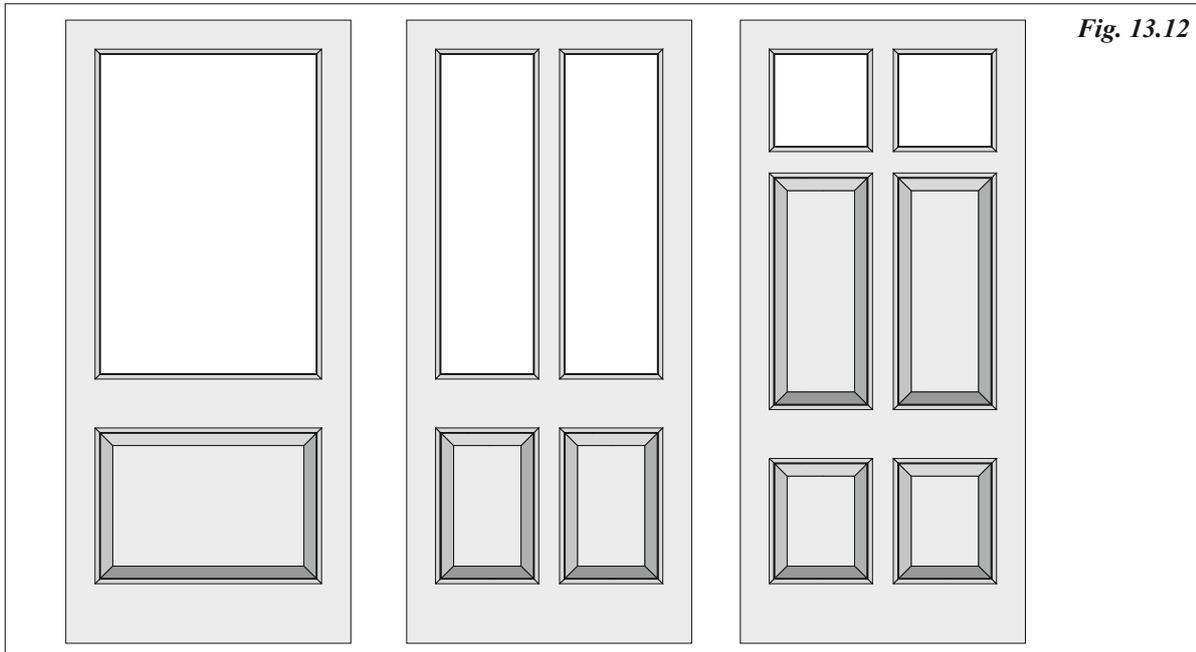


Fig. 13.12

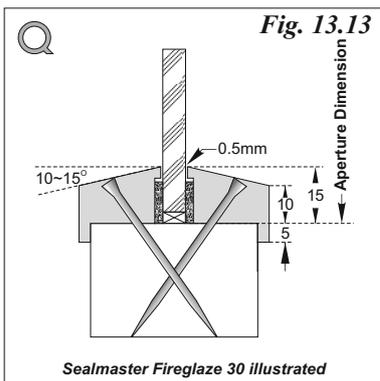


Fig. 13.13

The glazing of panelled door for fire door applications up to FD30 is approved where the clear glass area does not exceed 0.7m². (except where otherwise restricted by reference to glass types and beading systems detailed in *Section 6 - Glass & Glazing*).

Approved glass types and glazing systems, including bead profiles must comply with *Section 6 - Glass & Glazing* details when used with non insulating glass types.

When used with insulating glass types beading can be profiled to provide for a 'period' appearance to match panel bead.

Approved glass types for fire door applications together with approved intumescent glazing systems are detailed in *Section 6 - Glass & Glazing*.

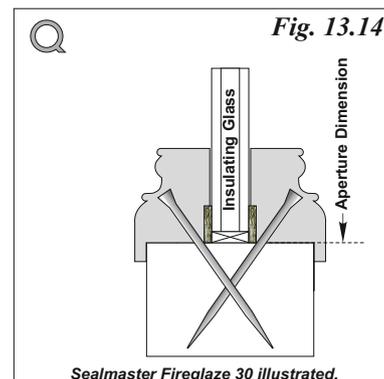
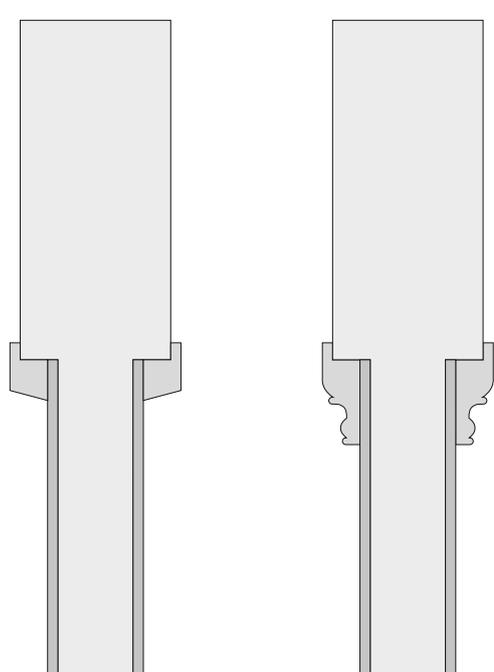


Fig. 13.14

Panel Beading:

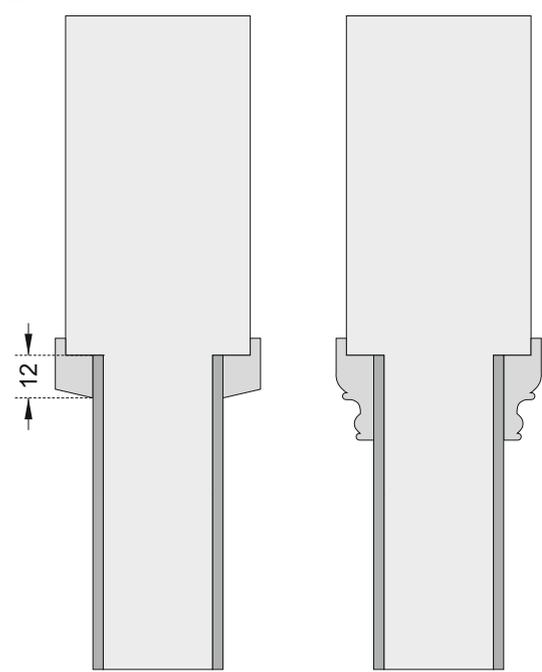
Q Panel Beading - Non Fire Rated & FD30 doors / panels. *Fig. 13.15*



The use of panel beading is recommended but is not an essential requirement for Non Fire Rated and FD30 (BS476 Pt.22) applications.

Where required, profiled beading can be used to create a 'period' appearance.

Q Panel Beading - FD60 doors. *Fig. 13.16*



Panel beading is an essential requirement for FD60 (BS476 Pt.22) applications.

Panel beading must provide for a minimum 12mm cover at the edges of panelled areas.

Where required, profiled beading can be used to create a 'period' appearance.

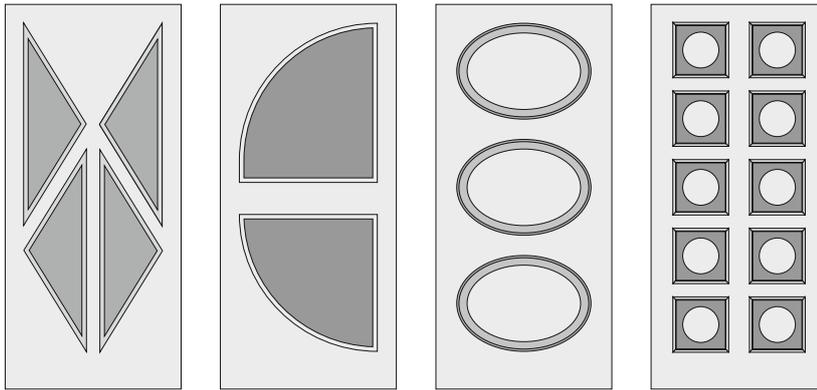
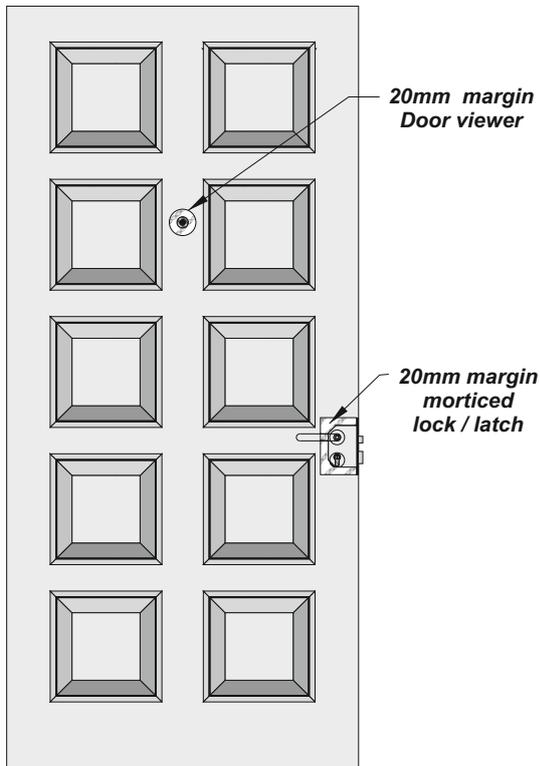
NOTE: Strebord panel doors for FD60 applications are limited to single leaf door height doorset designs with the door leaf dimension limited to a maximum of 2040 x 926mm.



Recessed and Planted Panel Design Options:
Fig. 13.17

Strebord panel door designs are not limited to the use of rectilinear panels.

Recessed and Planted panel design options in particular provide Designers with wide scope for the expression of aesthetic requirements subject to the maintenance of the stile, rail and mullion dimensions described by reference to **page 13.1**.


Panelled Doors - Hardware:
Fig. 13.18


Hardware must be selected and fitted in accordance with the recommendations to be found by reference to *Section 9 - Hardware*.

In addition to *Section 9* guidance, the following additional consideration apply to Strebord Panel door designs:

1/ All items of hardware that pass through the door thickness or which are morticed into the door should be located in the maximum thickness section of the door constructions (i.e. the 44mm or 54mm thickness).

2/ A margin within the maximum door leaf thickness should be allowed to provide for a minimum 20mm around hardware items that are morticed into the door edges or which pass through the door thickness.

3/ Cableways for electric lock / strikes are not approved for use with Strebord[®] panelled doors.

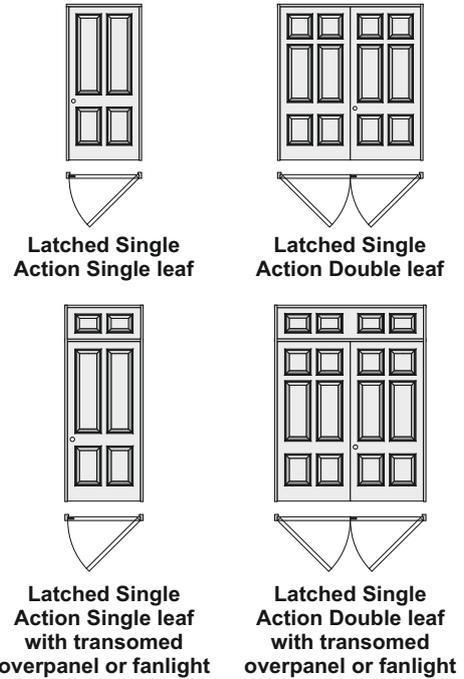
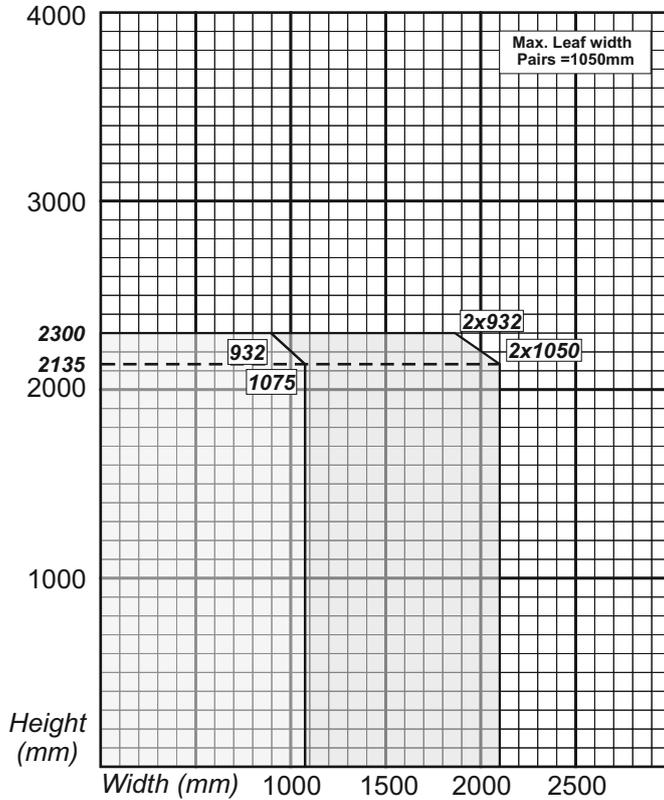
Intumescent provisions described by reference to *Section 9 - Hardware* apply equally to panel door designs.



**Door Height Assemblies
&
Storey Height Assemblies with Transom**
15x4mm PVC encased Pyroplex

FD30 - BS476 Pt.22 :1987

LATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From	2135	1075
	To	2300	932
Latched Single Action Double Door (LSADD)	From	2135	1050
	To	2300	932

Maximum Glazed Area See Section 6:	Single door doorset	0.7m ²	Maximum Overpanel height	Single door doorset	2000mm
	Double door doorset			Double door doorset	1500mm

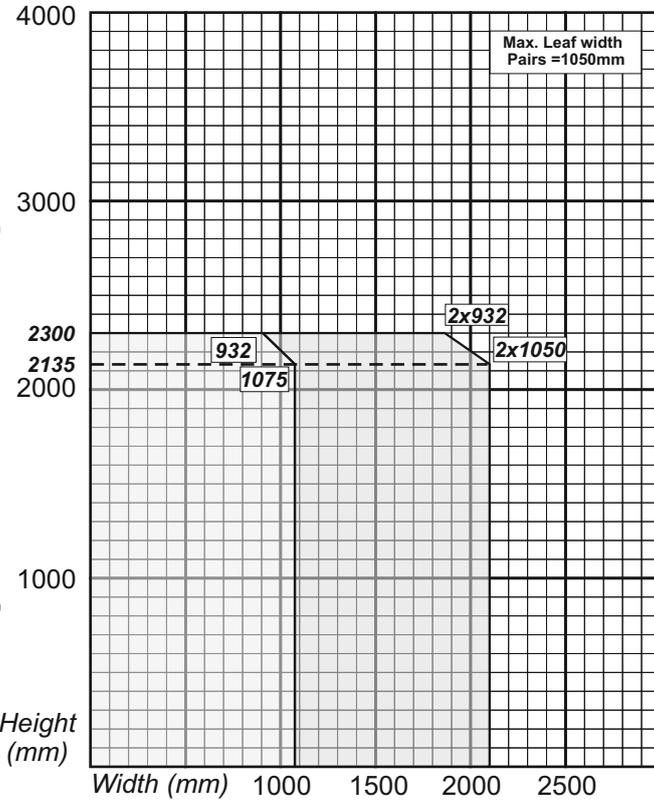
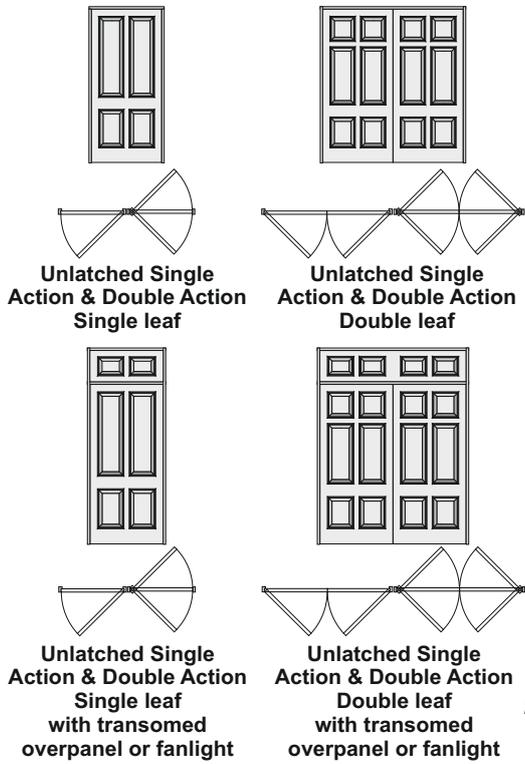
Frame Specification See Section 7	Single door doorset Double door doorset <i>NOTE: Storey height doorsets with transoms are not approved with MDF frames.</i>	465kg/m ³ Softwood or Hardwood 750kg/m ³ MDF OR Streframe
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<p>Intumescent Seals 15x4mm PVC encapsulated Pyroplex See Pages 13.14 ~ 13.17 - Intumescent Seals and Section 9 - Hardware for further information</p>	<p>Head: 15x4mm exposed and fitted centrally in the leaf or frame head. Jamb's & Overpanel: 15x4mm exposed and centrally fitted to leaf or frame. Meeting edges: Square: 1No. 15x4mm fitted centrally in one leaf. Rebated: NOT APPROVED</p>
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15x4mm PVC encased Pyroplex

UNLATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From	2135	1075
	To	2300	932
Double Action Single Door (DASD)	From	2135	1075
	To	2300	932
Unlatched Single Action Double Door (ULSADD)	From	2135	1050
	To	2300	932
Double Action Double Door (DADD)	From	2135	1050
	To	2300	932

Maximum Glazed Area See Section 6:	Single door doorset Double door doorset	0.7m ²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm 1500mm
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Frame Specification See Section 7	Single door doorset Double door doorset <i>NOTE: Storey height doorsets with transoms are not approved with MDF frames.</i>	465kg/m ³ Softwood or Hardwood 750kg/m ³ MDF OR Streframe
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<p>Intumescent Seals 15x4mm PVC encapsulated Pyroplex See Pages 13.14 ~ 13.17 - Intumescent Seals and Section 9 - Hardware for further information</p>	<p>Head: 15x4mm exposed and fitted centrally in the leaf or frame head. Jams & Overpanel: 15x4mm exposed and centrally fitted to leaf or frame. Meeting edges: Square: 1No. 15x4mm fitted centrally in one leaf. Rebated: NOT APPROVED</p>
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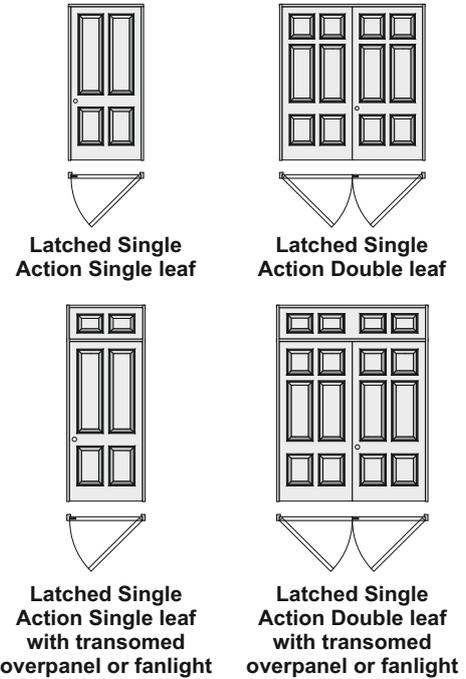
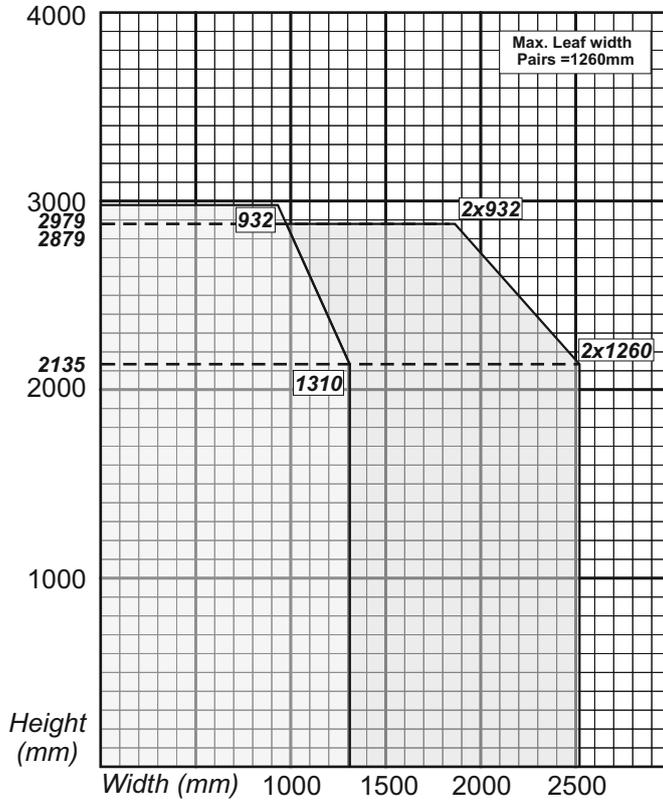
Door Height Assemblies
&
Storey Height Assemblies with Transom

20x4mm PVC encased Pyroplex

FD30 - BS476 Pt.22 :1987

13.11

LATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From	2135	1310
	To	2979	932
Latched Single Action Double Door (LSADD)	From	2135	1260
	To	2879	932

Maximum Glazed Area See Section 6:	Single door doorset	0.7m ²	Maximum Overpanel height	Single door doorset	2000mm
	Double door doorset			Double door doorset	1500mm

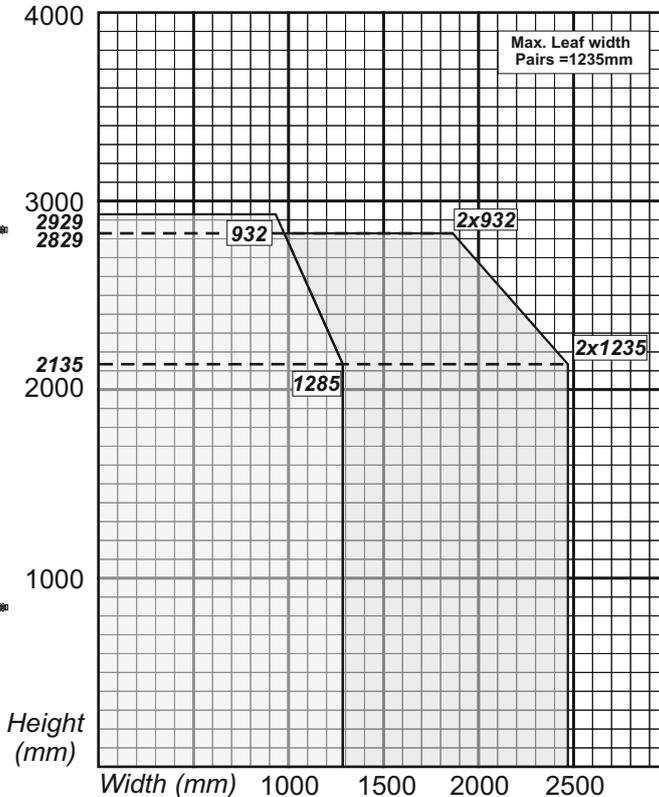
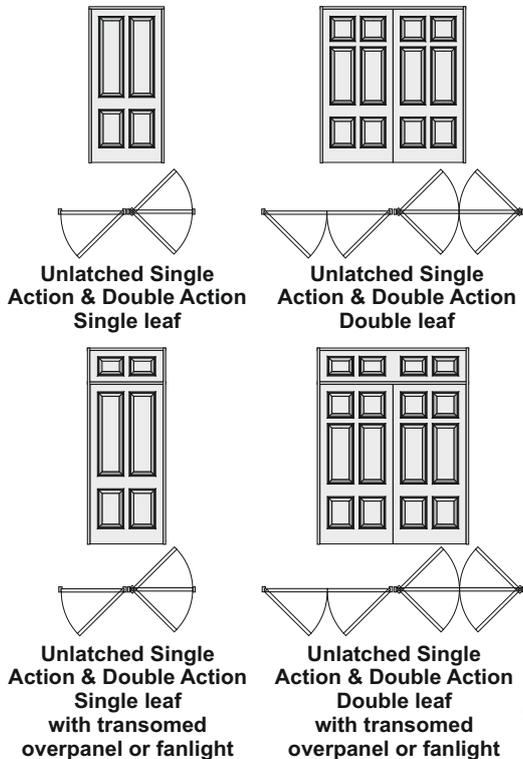
Frame Specification See Section 7	Single door doorset Double door doorset <i>NOTE: Storey height doorsets with transoms are not approved with MDF frames.</i>	465kg/m ³ Softwood or Hardwood 750kg/m ³ MDF OR Streframe
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<p>Intumescent Seals 20x4mm PVC encapsulated Pyroplex See Pages 13.18 ~ 13.21 - Intumescent Seals and Section 9 - Hardware for further information</p>	<p>Head: 20x4mm exposed and fitted centrally in the leaf or frame head. Jamb & Overpanel: 20x4mm exposed and centrally fitted to leaf or frame. Meeting edges: Square: 1No. 20x4mm fitted centrally in one leaf. Rebated: NOT APPROVED Hinges: Intumescent protection is required under the hinge blades on sets over 2440mm high.</p>
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FD30 Fire Door Applications
Panelled Doors



UNLATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From	2135	1285
	To	2929	932
Double Action Single Door (DASD)	From	2135	1285
	To	2929	932
Unlatched Single Action Double Door (ULSADD)	From	2135	1235
	To	2829	932
Double Action Double Door (DADD)	From	2135	1235
	To	2829	932

Maximum Glazed Area See Section 6:	Single door doorset Double door doorset	0.7m ²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm 1500mm
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Frame Specification See Section 7	Single door doorset Double door doorset <i>NOTE: Storey height doorsets with transoms are not approved with MDF frames.</i>	465kg/m ³ Softwood or Hardwood 750kg/m ³ MDF OR Streframe
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<p>Intumescent Seals 20x4mm PVC encapsulated Pyroplex</p> <p>See Pages 13.18 ~ 13.21 - Intumescent Seals and Section 9 - Hardware for further information</p>	<p>Head: 20x4mm exposed and fitted centrally in the leaf or frame head. Jambs & Overpanel: 20x4mm exposed and centrally fitted to leaf or frame. Meeting edges: Square: 1No. 20x4mm fitted centrally in one leaf. Rebated: NOT APPROVED Hinges: Intumescent protection is required under the hinge blades on sets over 2440mm high.</p>
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Door Height Assemblies

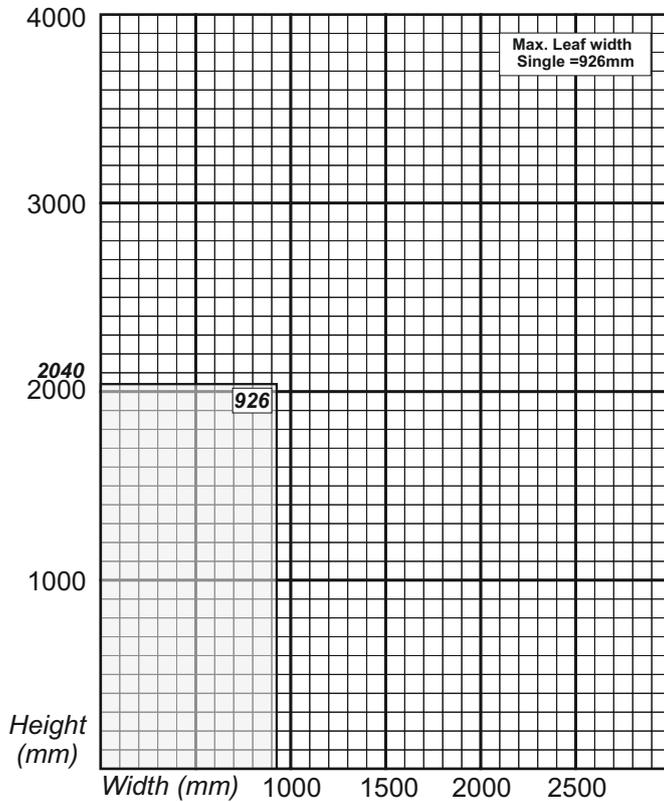
Panelled Doors

FD60 - BS476 Pt.22 :1987

2x15x4mm PVC encased Pyroplex

LATCHED DOORSETS

13.13



Latched Single Action Single leaf

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From	2040	926
	To	2040	926
Latched Single Action Double Door (LSADD)	From	<i>NOT APPROVED</i>	<i>NOT APPROVED</i>
	To	<i>NOT APPROVED</i>	<i>NOT APPROVED</i>

Maximum Glazed Area	Single door doorset	<i>NOT APPROVED</i>	Maximum Overpanel height	Single door doorset	<i>NOT APPROVED</i>
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Frame Specification	Single door doorset	640kg/m ³ Hardwood
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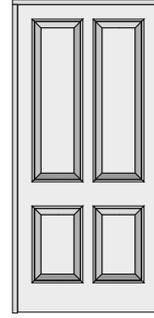
<p>Intumescent Seals 2x15x4mm PVC encapsulated Pyroplex See Page 13.22 - Intumescent Seals and Section 9 - Hardware for further information</p>	<p>Head: 2No. 15x4mm exposed, separated by 8mm and fitted centrally in the leaf or frame head. Jambs: 2No. 15x4mm exposed, separated by 8mm and centrally fitted to leaf or frame. Hinges: Intumescent protection must be used behind hinge blades.</p>
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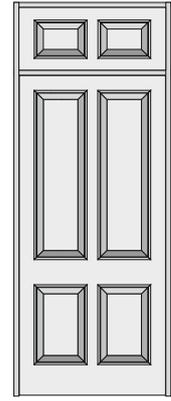
**Panelled Doors
 Intumescent Seals FD30**
15x4mm Pyroplex

Q Single Leaf FD30 applications using 15x4mm Pyroplex Intumescent Seals.

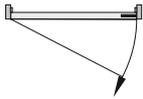
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Single leaf
 Door Height
 Doorsets**



**Single leaf
 Storey Height
 Doorsets
 with Transom**

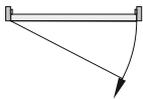


Latched Single leaf Single Action Doorsets:

Jams & Head = 15x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 1075mm
 To: 2300 x 932mm

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

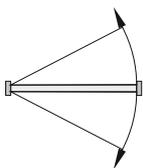


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 15x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 1075mm
 To: 2300 x 932mm

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



Double Action Single leaf Doorsets:

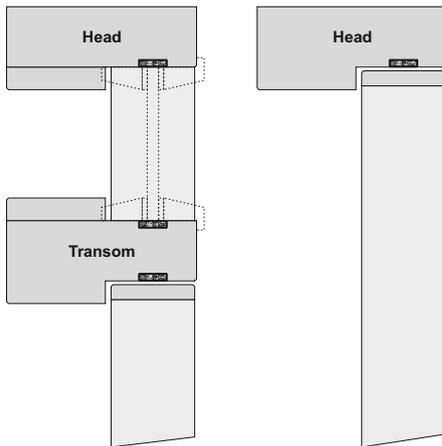
Jams & Head = 15x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 1075mm
 To: 2300 x 932mm

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

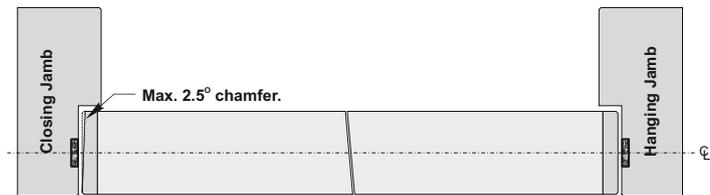
FD30 Panelled Doors
Intumescent Seals

15x4mm Pyroplex



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

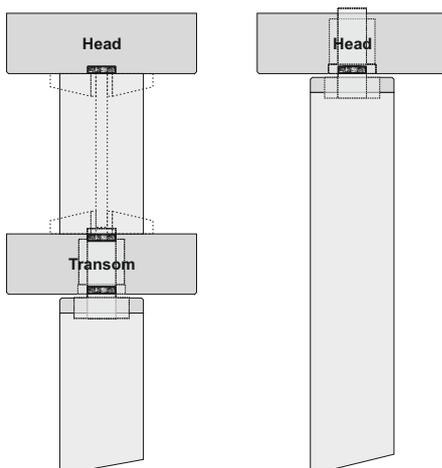
Fig. 13.19



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

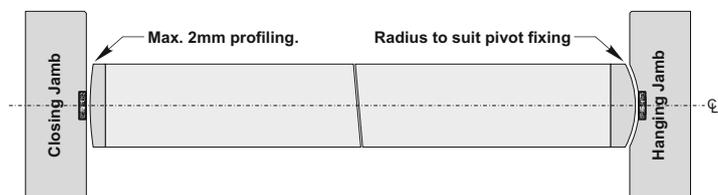
- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

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



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

Fig. 13.20



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

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

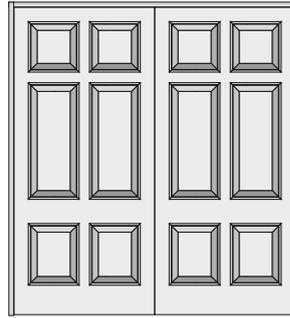
NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



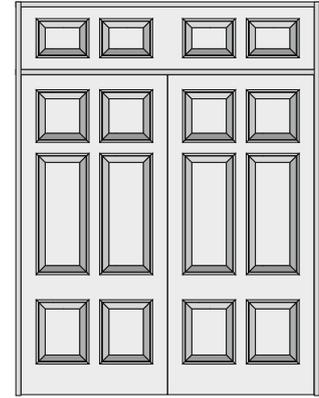
Panelled Doors
Intumescent Seals **FD30**
15x4mm Pyroplex

Q Double Leaf FD30 applications using 15x4mm Pyroplex Intumescent Seals.

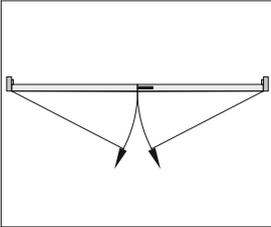
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



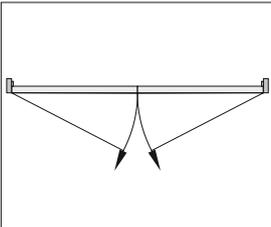
Latched Double leaf Single Action Doorsets (Pairs):

Jams & Head = 15x4mm PVC encased Pyroplex.

Meeting Stiles = 15x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 2x1050mm
To: 2300 x 2x932mm

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



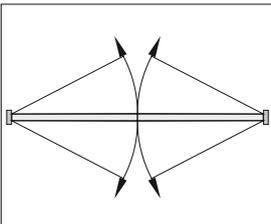
Unlatched Double leaf Single Action Doorsets (Pairs):

Jams & Head = 15x4mm PVC encased Pyroplex.

Meeting Stiles = 15x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 2x1050mm
To: 2300 x 2x932mm

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



Double Action Double leaf Doorsets (Pairs):

Jams & Head = 15x4mm PVC encased Pyroplex.

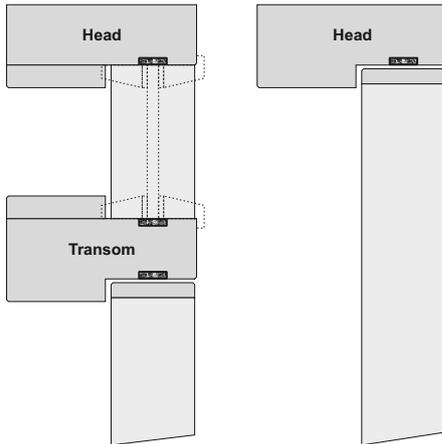
Meeting Stiles = 2x10x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 2x1050mm
To: 2300 x 2x932mm

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

FD30 Panelled Doors
Intumescent Seals

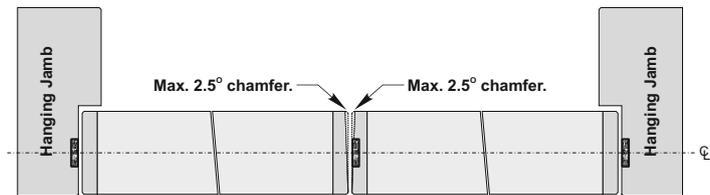
15x4mm Pyroplex



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

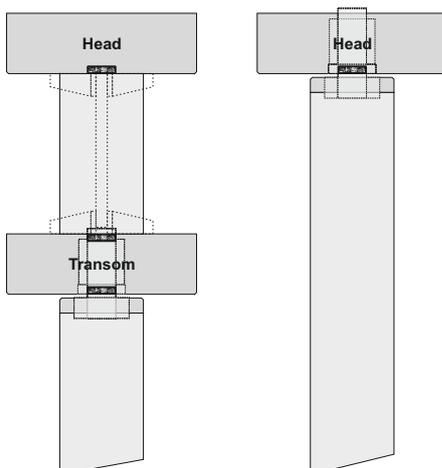
Q Single Action Double leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom.

Fig. 13.21



- Perimeter Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 15x4mm Pyroplex seal must be fitted to one leaf only, centre thickness of the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

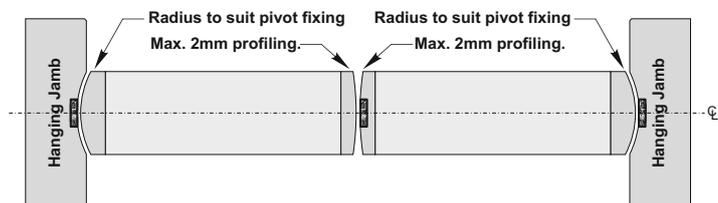
NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



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

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

Fig. 13.22



- Intumescent seals must be located centrally in the door thickness and may fitted to the frame or the door leaf.
- At the meeting stiles, 15x4mm Pyroplex seal must be fitted to one leaf only, centre thickness of the door leaf.
- For storey height doorsets the intumescent seals must be applied to all sides of the overpanel.

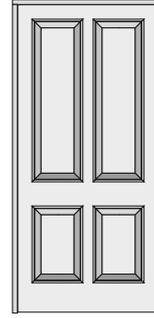
NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



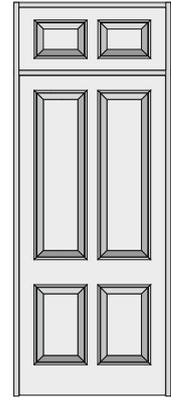
**Panelled Doors
 Intumescent Seals FD30**
20x4mm Pyroplex

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

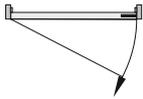
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Single leaf
 Door Height
 Doorsets**



**Single leaf
 Storey Height
 Doorsets
 with Transom**

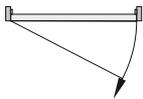


Latched Single leaf Single Action Doorsets:

Jams & Head = 20x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 1310mm
 To: 2979 x 932mm

NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex to all sides of the overpanel. Intumescent hinge protection behind blades for doors over 2440mm high.

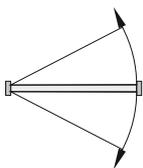


Unlatched Single leaf Single Action Doorsets:

Jams & Head = 20x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 1285mm
 To: 2929 x 932mm

NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex to all sides of the overpanel. Intumescent hinge protection behind blades for doors over 2440mm high.



Double Action Single leaf Doorsets:

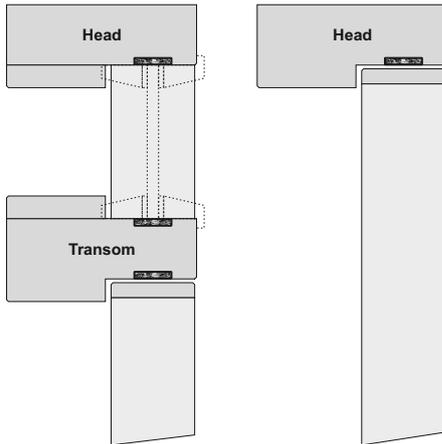
Jams & Head = 20x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 1285mm
 To: 2929 x 932mm

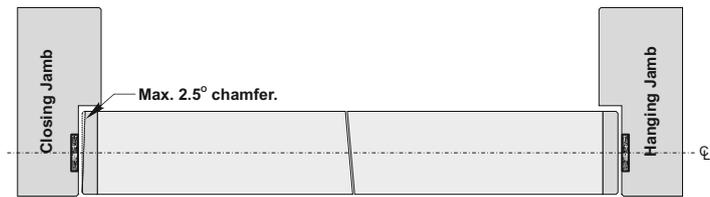
NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex to all sides of the overpanel. Intumescent hinge protection behind blades for doors over 2440mm high.

FD30 Panelled Doors
Intumescent Seals

20x4mm Pyroplex



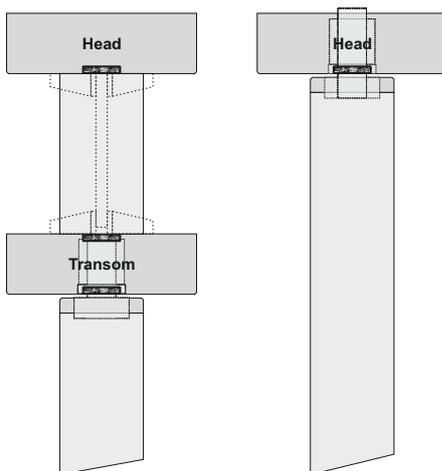
Q Single Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. *Fig. 13.23*



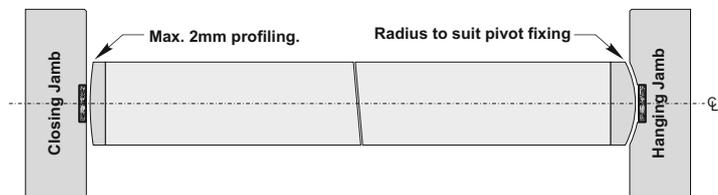
NOTE:
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. See Section 6 - Glazing

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

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



Q Double Action Single leaf
- Door Height Assemblies
- Storey Height Assemblies with Transom. *Fig. 13.24*



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

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

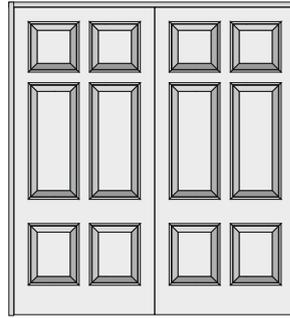
NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.



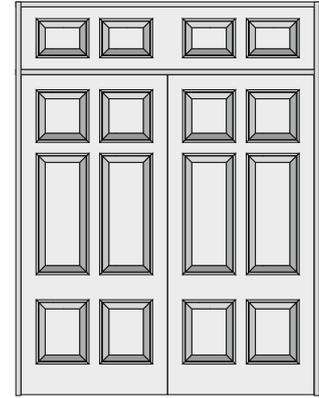
Panelled Doors
Intumescent Seals **FD30**
20x4mm Pyroplex

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

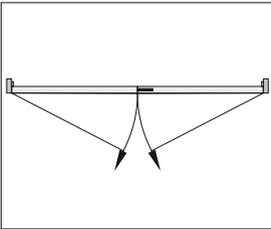
NOTE: See Section 7 - Doorframes for 'Q' Mark approved minimum frame section dimensions for fire door applications.



**Double leaf
Door Height
Doorsets**



**Double leaf
Storey Height
Doorsets
with Transom**



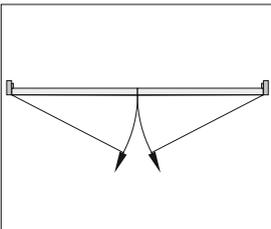
Latched Double leaf Single Action Doorsets (Pairs):

Jams & Head = 20x4mm PVC encased Pyroplex.

Meeting Stiles = 2x10x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 2x1260mm
To: 2879 x 2x932mm

NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex to all sides of the overpanel. Intumescent to hinge blades for doors >2440mm.



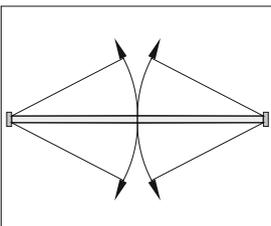
Unlatched Double leaf Single Action Doorsets (Pairs):

Jams & Head = 20x4mm PVC encased Pyroplex.

Meeting Stiles = 2x10x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 2x1235mm
To: 2829 x 2x932mm

NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex to all sides of the overpanel. Intumescent to hinge blades for doors >2440mm.



Double Action Double leaf Doorsets (Pairs):

Jams & Head = 20x4mm PVC encased Pyroplex.

Meeting Stiles = 2x10x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2135 x 2x1235mm
To: 2829 x 2x932mm

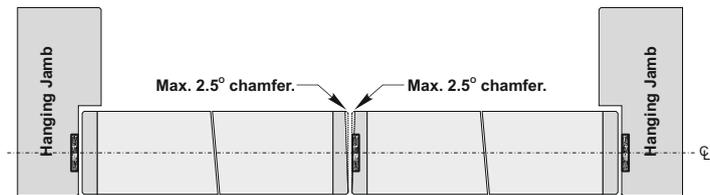
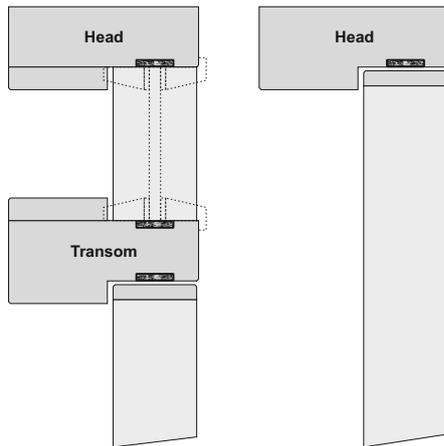
NOTE: For storey height doorsets use 20x4mm PVC encased Pyroplex to all sides of the overpanel. Intumescent to hinge blades for doors >2440mm.

FD30 Panelled Doors
Intumescent Seals

20x4mm Pyroplex

Fig. 13.25

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



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

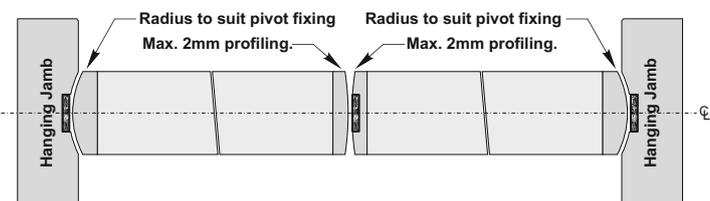
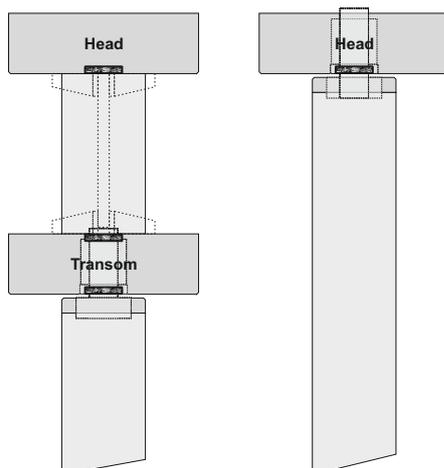
NOTE: For 'Q' Mark approved lipping material & adhesive see Section 3 - Lippings & Facings.

NOTE:

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

Fig. 13.26

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



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

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

NOTE:

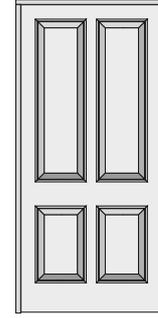
Where glazed fanlights are used, the glass and beading system must conform to tested details for the relevant fire performance when used with wood products. See Section 6 Glazing



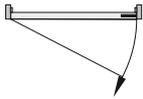
**Panelled Doors
 Intumescent Seals** **FD60**
2x15x4mm Pyroplex

Q Single Leaf FD60 applications
 using 2x15x4mm Pyroplex
 Intumescent Seals.

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



**Single leaf
 Door Height
 Doorsets**

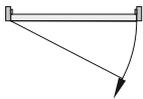

Latched Single leaf Single Action Doorsets:

Jambs & Head = 2x15x4mm PVC encased Pyroplex.

Door Leaf sizes: From: 2040 x 926mm

To: 2040 x 926mm

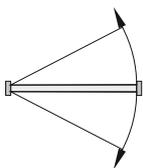
*NOTE: Storey height doorsets not approved. Intumescent protection behind
 blades for all configurations.*


Unlatched Single leaf Single Action Doorsets:

Jambs & Head =

Door Leaf sizes: From: *NOT APPROVED*

To: *NOT APPROVED*


Double Action Single leaf Doorsets:

Jambs & Head =

Door Leaf sizes: From: *NOT APPROVED*

To: *NOT APPROVED*

FD60 Panelled Doors
Intumescent Seals

13.23

2x15x4mm Pyroplex

