

Pacific VP30 Premium Fire Door

DESCRIPTION

Timber-framed smoke control doors include a seal in the frame. Steel-framed doors include the PFS-4 seal. If required, bottom seals can be selected from the hardware list.

The thickness of the VP30 door leaf is 48mm with an approximate base leaf weight of 27kg/m².

Product Features

- 30min fire rating
- Single or pair
- 11 facing options
- 13 frame options
- 9 glass options
- Compatible with timber stud, steel stud, masonry, Korok, and James Hardie walls
- Optional side lights and over lights
- Acoustic rating available
- Ventilation grilles available
- Meets NZS4520.2010 standard

For further information on this product, visit:

<https://www.pacificdoors.co.nz/products/fire/fire-doors/frr-30-minute/vp30>

PRODUCT OPTIONS

Leaf size and wall type

Leaf size

Timber-framed smoke control doors include a seal in the frame. Steel-framed doors include the PFS-4 seal. If required, bottom seals can be selected from the hardware list.

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Wall Type	Jamb Type	Fire Resistance Rating Stability/Integrity/Insulation	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Steel Stud Wall	Timber	-/30/30sm	Single	2700	1020
Timber Stud Wall			Pair	2700	1020
Masonry Wall					

Steel Stud Wall	Steel	-/30/30sm	Single	3000	1500
Timber Stud Wall			Pair	3000	1500
Masonry Wall					
Korok / Speedpanel	Steel	-/30/30sm	Single & Pair	2400	1200
				2700	1050
Korok	Timber	-/30/30sm	Single	2197	920
James Hardie	Steel	-/30/30sm	Single	2400	1020

Notes:

1. Please note that the maximum leaf width shown above is measured per door leaf.
2. The 'sm' above denotes that the door is available as a smoke control door set.
3. *Meeting styles for doors installed into Korok walls are restricted to J-Section or Bullnose.*
4. *Timber-framed doorsets in Korok walls have limited installation options. Please see the installation section for details.*
5. *Timber jambs are not possible for doors installed into James Hardie walls.*
6. *Insulation ratings must be notified at time of pricing for steel frames.*
7. *Door sets with leafs larger than 2700 x 1200 are not intended for frequent use, we recommend that they be typically either held open or closed with compliant hardware in normal operation.*
8. Minimum width for a fire door leaf is governed by the need to fit a compliant closer. Typically, 400 mm is the practical minimum.

Wall type

As previously noted, Jambs may be connected to timber stud, steel stud or concrete/masonry walls. The minimum specification for each wall type is:

- Precast Concrete of 100mm thickness minimum or grouted blockwork of 140mm thickness minimum.
- Timber or steel stud plasterboard walls of FRR -/30/30 or above. Where steel-framed door sets are used, wall framing must be 100 x 50mm minimum.
- Universal Wall systems GBUW30a or GBUW30b.
- Gib Weatherline Rigid Air Barrier Systems GWTLE 30 and GTWLP 30.
- Speedpanel & Korok walls (51mm, 64mm or 78mm).
- James Hardie JHETGJ60 fire-rated wall system.

- Boral 25mm shaftliner wall (Note: special installation details and size restrictions apply; refer to Pacific Doors for details).

Door Leaf Options

Leaf facings

- MDF
- Hardboard
- Oil Tempered Hardboard
- Plywood
- Timber Veneers
- Acrylic – vinyl sheets up to 1.5mm thick (e.g. Acrovyn, Korogard)
- Sheet Vinyl (1.25 – 2mm)
- High pressure laminate up to 1.5mm thick (e.g. Laminex, Formica)
- Decorative timber mouldings/panels
- Aluminium sheet (0.3 – 1mm)*
- Metal sheet, mild or stainless (0.6 – 1.0mm)

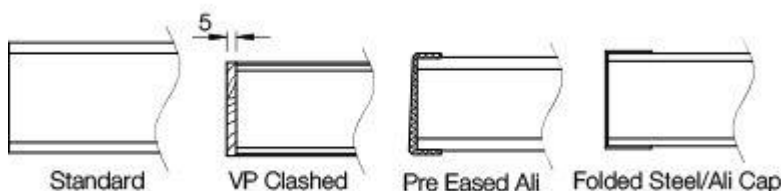
Notes:

1. Of the above facings, only those marked * may extend around the door edge.
2. Timber veneers up to 0.7mm are available with all fire ratings. Timber veneers between 0.7 - 1.5 mm require FRR -/30/30 and are only available in timber frame or packed steel frame
3. Steel frames are required where metal capping is used.
4. Standard Paint Quality doors are allowed 'non-clashed' to provide best surface for finish painting.
5. See Additional Door Options for more facing alternatives.

Leaf edges

The leaf edges listed below are available for the VP30 door set.

Paint quality doors are non-clashed as standard.

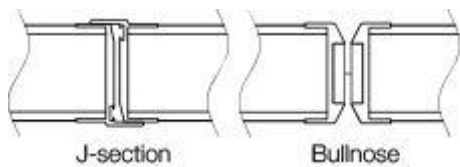


Notes:

1. Metal cappings are not available for timber-framed doorsets or doors into Speedwall or James Hardie.

Meeting Stiles

The meeting stiles listed below are applicable to paired door sets only.

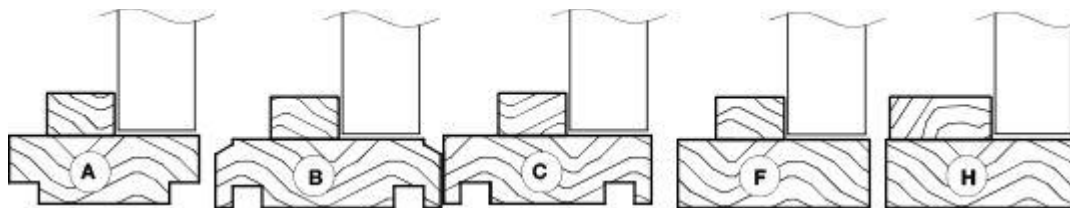


Frame types & profiles

Timber Frame

The timber frame profiles listed below are available for the VP30 door set.

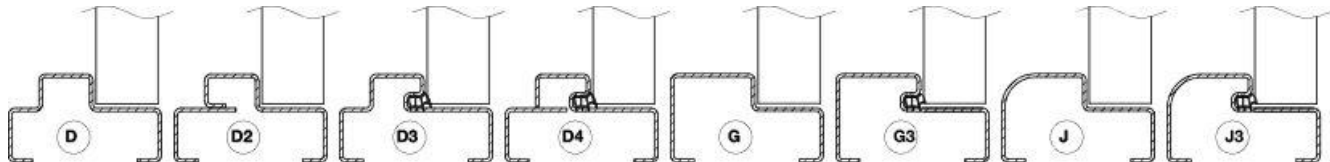
The timber species of the frame must be a hardwood of minimum density 580kg/m³.



Steel Frame

The steel frame profiles listed below are available for the VP30 door set.

The VP30 door set is available in the two-part steel frame system for fixing to walls already lined.



Notes:

1. D2 and D4 not available for doors with sidelights or overlights and is not compliant in Speedwall.
2. D2 and D4 require minimum 110 mm wall thickness.

Standard frames are three-sided only with no sill. Four-sided frames and/or custom sills may be available on request. Timber sills are not available on fire doorsets. For more in-depth information on frame profiles and sizes, please see our Installation Instructions.

Vision Panel

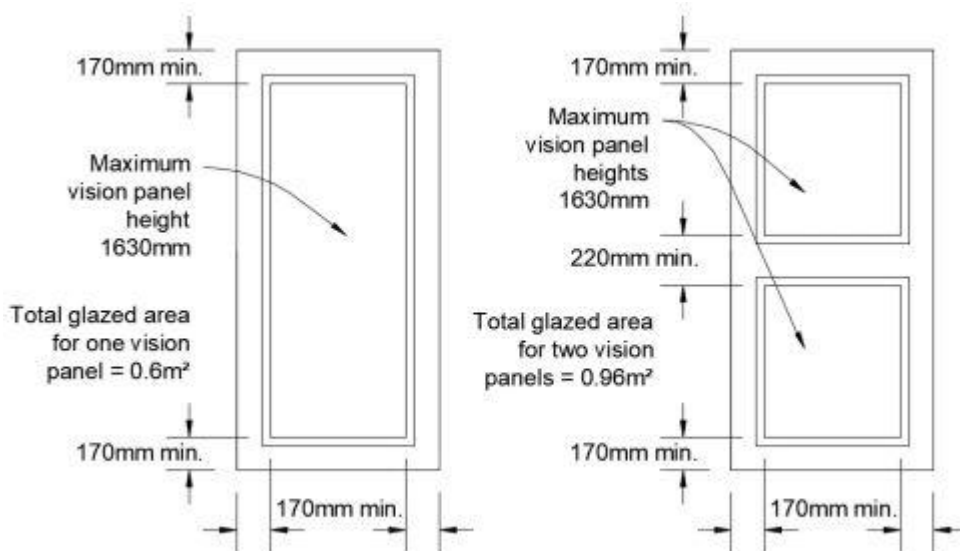
Glazing Type	Maximum Glazed Area (mm)		Max Height (mm)	Max Width (mm)	Glazing Bead		FRR with Vision Panel	
	Per VP	Total			Timber	Aluminium	Up to 0.065m ²	Over 0.065m ²
Pyrobel*	0.6m ²	0.96m ²	1630	950	✓	✓	-/30/30	-/30/30

Georgian Wired	0.32m ²	0.32m ²	850	950	✓	✓	-/30/30	-/30/-
Firelite	0.32m ²	0.32m ²	850	950	✓	✓	-/30/30	-/30/-
Robax	0.32m ²	0.32m ²	850	950	✓	✓	-/30/30	-/30/-
Pyran	0.32m ²	0.32m ²	850	950	✓	✓	-/30/30	-/30/-

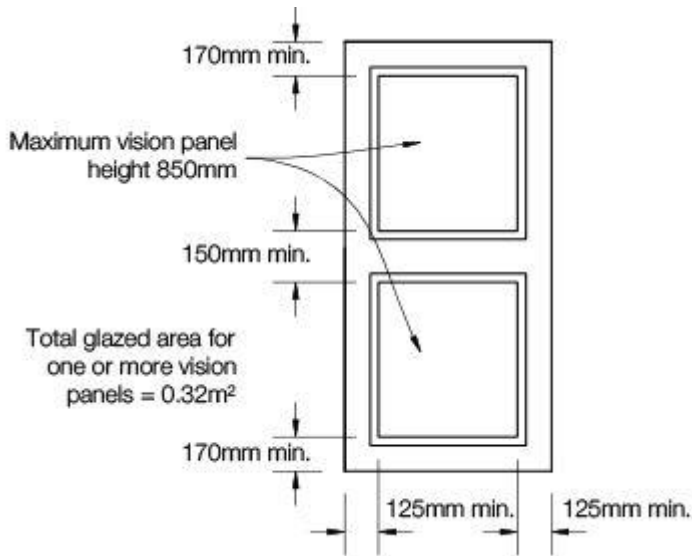
Notes:

1. Please note that the height and width of the vision panel must still fall within the maximum glazed area.
2. A maximum of two vision panels is permitted per leaf.
3. Glazing types marked with * indicate Grade A Safety glass.
4. Circular vision panels are not possible with Pyrobel glazing.
5. Pyrobel is not suitable for exterior doors.

Glazing details for Pyrobel Glazed Vision Panels

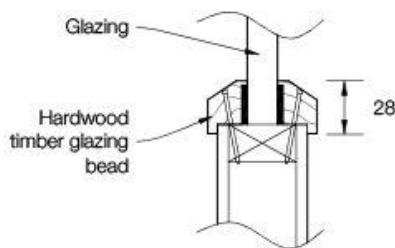


Glazing details for other glazing types

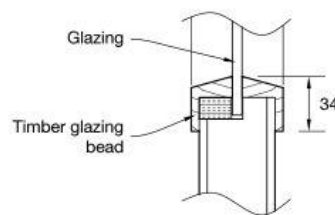


Standard vision panel cross sections

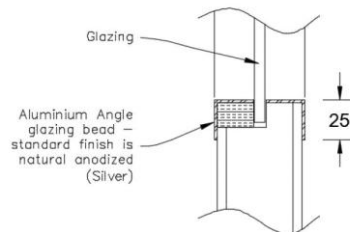
Timber Bead*



Timber Bead



Aluminium Bead



PERFORMANCE

Acoustical performance

An acoustic rating of STC 31 (Rw 32) is available for ply / MDF faced doors and STC 36 (Rw 38) for steel face doors.

Tested acoustic seals are Lorient LAS1212 perimeter seals and LAS8007si drop seal.

Pair doors are acoustic tested with J-section meeting stile with one line of Schlegel QEZ6.8 acoustic seal.

Vision panels are not acoustic tested. Pyrobel glazing is rated Rw 39 from the supplier, Pyran S is Rw 31.

Thermal insulation

This door leaf has a thermal insulation rating (R-value) of 0.645 Km²/W.

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