20/10/2026

Data Sheet

Pacific VP120 Premium Fire Door

Description

The VP120 fire door set is suitable for interior and sheltered exterior use and is available in steel frames only. This door set offers the largest range of leaf facings, meeting stiles, and hardware options within our range of 120-minute fire protection doors.

Product Features

- 120min fire rating
- Single or pair
- 8 facing options
- 6 frame options
- 4 glass options
- Compatible with timber stud, steel stud, masonry, and Korok walls
- 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-120-minute/vp120

Product options

Leaf size and wall type

Leaf size
Steel framed smoke control doors include the PFS-4 frame seal. If required, bottom seals can be selected from the Hardware List.

The thickness of the VP120 door leaf is 48mm with an approximate leaf weight of 27kg/m2.

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Wall Type	Fire Resistance Rating Stability/Integrity/Insulation	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Steel Stud Wall Timber Stud Wall Masonry Wall	-/120/60sm	Single	2700	1500
		Pair	2700	1350
Korok / Speedpanel	-/120/30sm	Single & Pair	2400	1200
			2700	1050

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. Insulation ratings must be notified at time of pricing for steel frames. Maximum insulation ratings are shown. Some wall applications will have a maximum 30-minute insulation rating.
4. Door sets with leafs larger than 2700 x 1200 are not intended for frequent use, we recommend they be typically either held open or closed with compliant hardware in normal operation.
5. 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 types

Jambs may be connected to:

- Precast concrete (120mm thickness minimum) or grouted blockwork (140mm thickness minimum).
- Timber or steel stud plasterboard walls of FRR -/120/120 or above.
- Speedpanel & Korok walls (64mm or 78mm). Restrictions apply, see installation details for more information.

Door Leaf Options

Leaf facings

- Plywood
- Steel sheet, mild or stainless (0.6 – 1.0mm)
- Versilux
- Sheet vinyl (1.25 – 2mm)
- Acrovyn 4000*
- Korogard*
- Decorative timber mouldings/panels
- Aluminium sheet (0.3 – 1.0mm)*

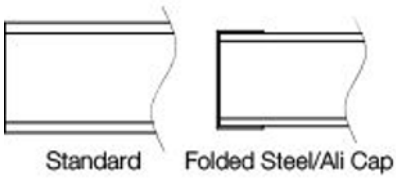
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Notes:

1. Of the above facings only those marked * may extend around the door edge.
2. Standard Paint Quality doors are allowed ‘non-clashed’ to provide best surface for finish painting.
3. See Additional Door Options for more facing alternatives.

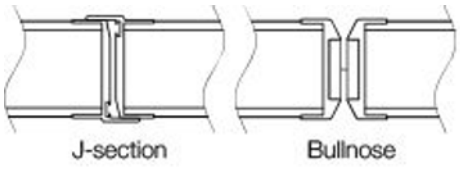
Leaf edges
The leaf edges listed below are available for the VP120 door set

Paint quality doors are non-clashed as standard.



Please note that folded steel cap is not allowed if the leaf is steel faced. A steel faced leaf must have aluminium caps or no caps.

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

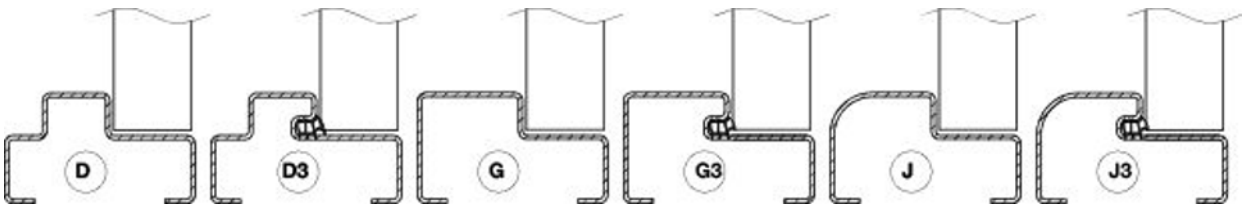


Frame types & profiles

Timber Frame
Timber frames are not applicable for fire doors above 60 minute fire rating.

Steel Frame
The steel frame profiles listed below are available for the VP120 door set.

Stainless steel frames are only approved to be grouted into masonry or concrete walls.



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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.

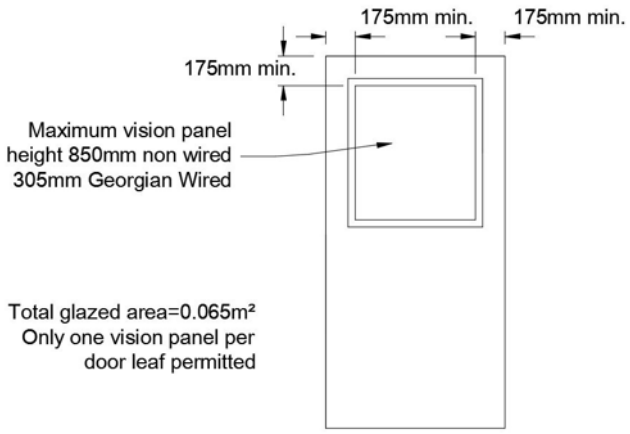
Vision Panel

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 0.065m2**	**Over 0.065m2**
Georgian Wired		0.65m2	305	850		√	-/120/60	N/A
Robax		0.65m2	850	850		√	-/120/60	N/A
Pyroceram		0.65m2	850	850		√	-/120/60	N/A
Pyodur 13*		0.65m2	850	850		√	-/120/60	N/A

Notes:

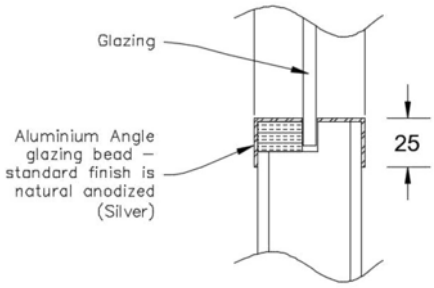
1. Please note that the height and width of the vision panel must still fall within the maximum glazed area.

2. Glazing types marked with * indicate Grade A Safety glass.



Standard vision panel cross sections
Aluminium Bead only

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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.

Thermal insulation

This door leaf has a thermal insulation rating (R-value) of 0.692 Km2/W.

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