

Best doors BP30 Door Set -/30/30sm

The Best BP30 is a side hung fire door set. The door set configuration may be single leaf or pair, finished with a variety of facings and hung in a timber or steel frame.

If required, bottom seals can be selected from the Hardware list.

The thickness of the BP30 door leaf is 45mm with an approximate leaf weight of 27kg/m²

Wall Type	Fire Resistance Rating Stability / Integrity / Insulation	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Steel Stud Wall	-/30/30sm	Single	2400	1050
Timber Stud Wall		Pair	2380	810
Masonry Wall		Pair	2100	910
		Pair	2030	1050

Notes:

Please note that the maximum leaf width shown above is measured per door leaf.

The 'sm' above denotes that the door is available as a smoke control door set.

Insulation ratings must be notified at time of pricing for steel jambs.

Product Options

LEAF FACINGS

MDF	Timber Veneers
Hardboard	High Pressure Laminate
Plywood	Sheet Vinyl
Oil Tempered Hardboard	Timber mouldings
Solid Timber (thickness up to 12mm, Rimu or denser)	

Note:

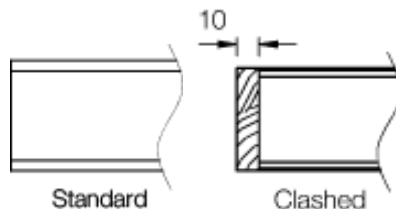
Standard Paint Quality doors are allowed 'non-clashed' to provide best surface for finish painting.

Other facings may be available, please contact Best Doors to discuss further options.

LEAF EDGES

Paint quality doors have unclashed edges.

Timber veneer faced doors are clashed on the vertical edges with solid timber.

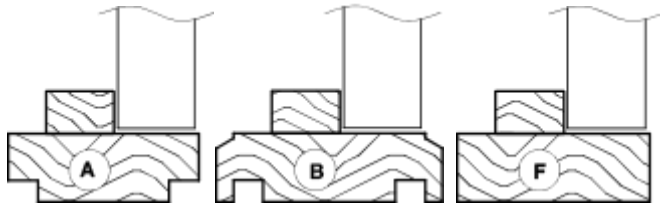


FRAME TYPES & PROFILES

Timber Frame

The timber frame profiles listed below are available for the BP30 door set.

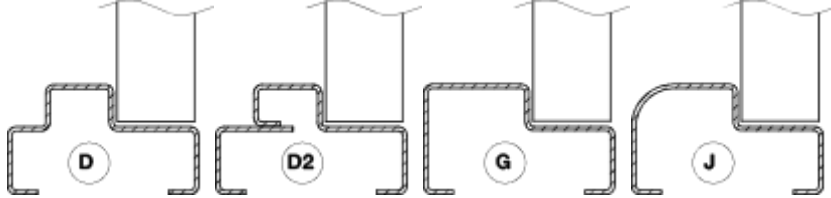
The timber species of the frame must be pine or denser (500kg/m³)



Steel Frame

The timber frame profiles listed below are available for the BP30 door set.

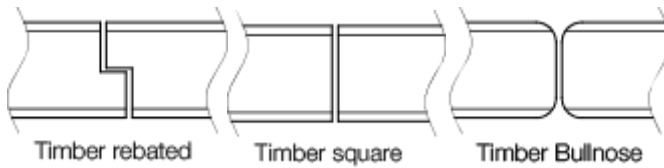
The BP30 door set is available in the two-part steel frame system for fixing to walls already lined.



For more in depth information on frame profiles and sizes, please see our Installation Instructions.

MEETING STILES

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



WALL TYPES

Timber Frames may be connected to timber stud, steel stud or concrete/masonry. Steel frames may be connected to timber stud and masonry (not steel stud). The minimum specification for each wall type is:

Precast concrete (100mm thickness) or grouted blockwork (190mm thickness).

Timber framing, minimum ex 75x50, with minimum lining thickness of 10mm Fyrelite Gib Board® each side in accordance with Winstone Wallboards' GBT30.

Steel stud framing lined with Gib Board® in accordance with Winstone Wallboards' GBS30 or higher, where the opening for the door is framed out with full height timber stud and a timber lintel.

Universal Wall systems GB UW 30a or GB UW 30b

Installation in wall types outside the scope of (1), (2) and (3) above is possible provided the doorset is built into a wall of minimum specification (1), (2) or (3) extending a minimum of 300mm each side of the frame and to a full height of stud. This wall segment may then be abutted and joined to the non-complying wall.

Product Optional Extras

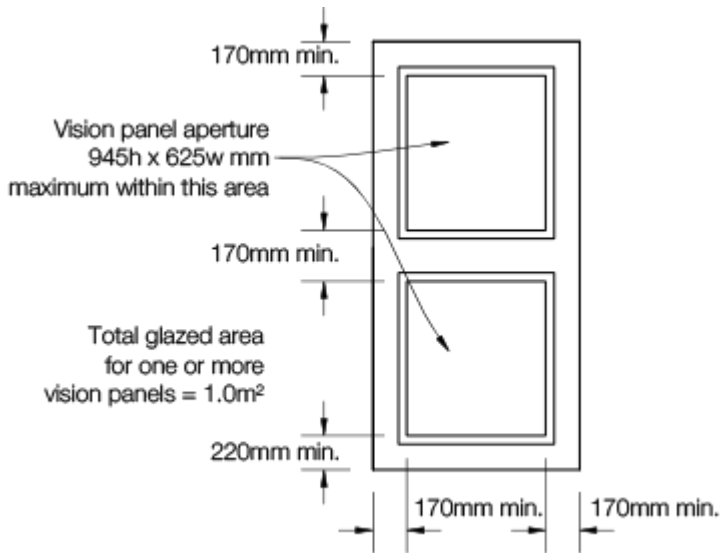
Vision Panels

Glazing Type	Maximum Glazed Area	Max Height (mm)	Max Width (mm)	Glazing Bead		FRR with Vision Panel	
				Timber	Aluminium	Up to 0.065 m ²	Over 0.065 m ²
Pyrobel*	1.0 m ²	945	625	✓	✓	-/30/30	-/30/30
Georgian Wired	1.0 m ²	945	625	✓	✓	-/30/30	-/30/-
Firelite	1.0 m ²	945	625	✓	✓	-/30/30	-/30/-
Robax	1.0 m ²	945	625	✓	✓	-/30/30	-/30/-
Pyran*	1.0 m ²	945	625	✓	✓	-/30/30	-/30/-

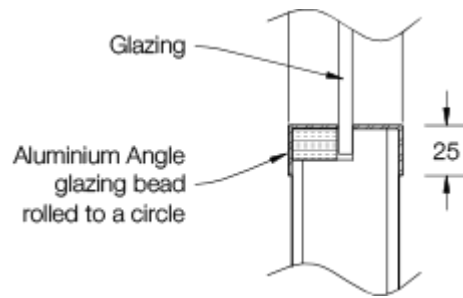
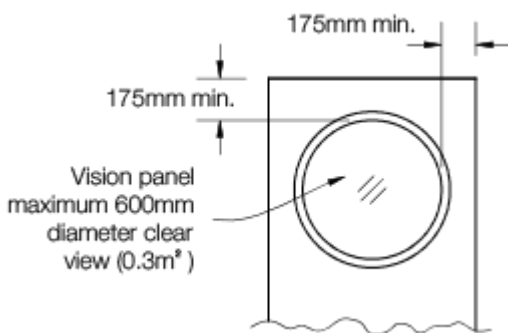
Notes:

1. Please note that the height and width of the vision panel must still fall within the maximum glazed area.
2. Glazing types marked with * indicate Grade A Safety glass.

For 30 minute door sets with larger vision panel options, please refer to the PR 30 or PR 60

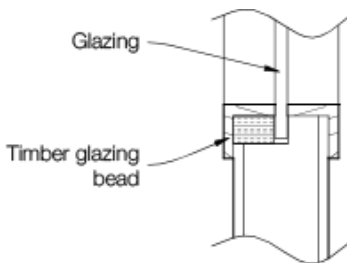


CIRCULAR VISION PANELS

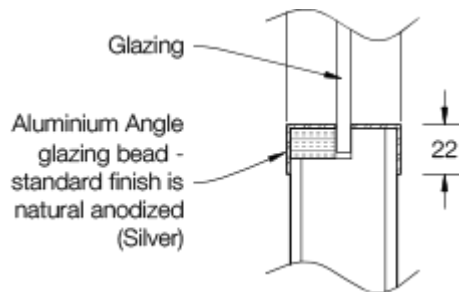


STANDARD VISION PANEL CROSS SECTIONS

Timber Bead

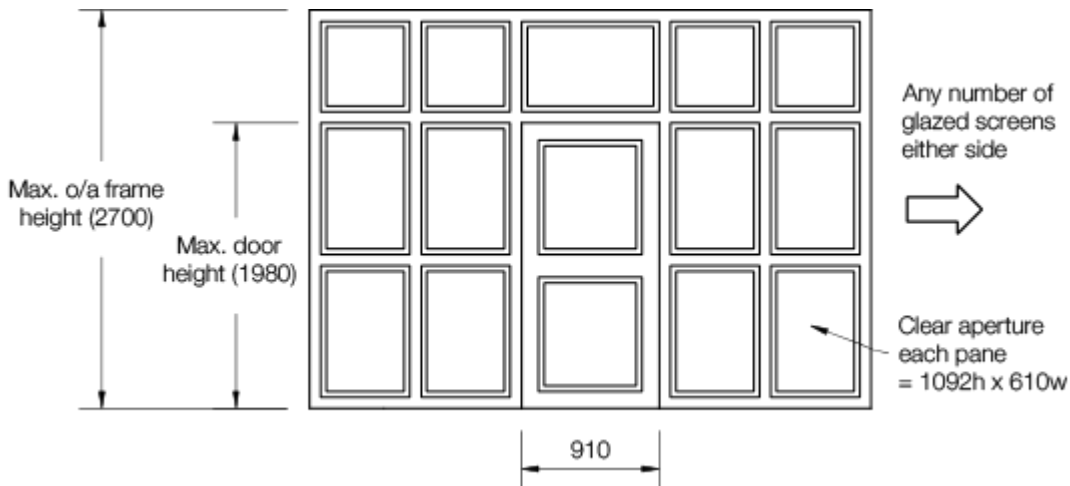


Aluminium Bead

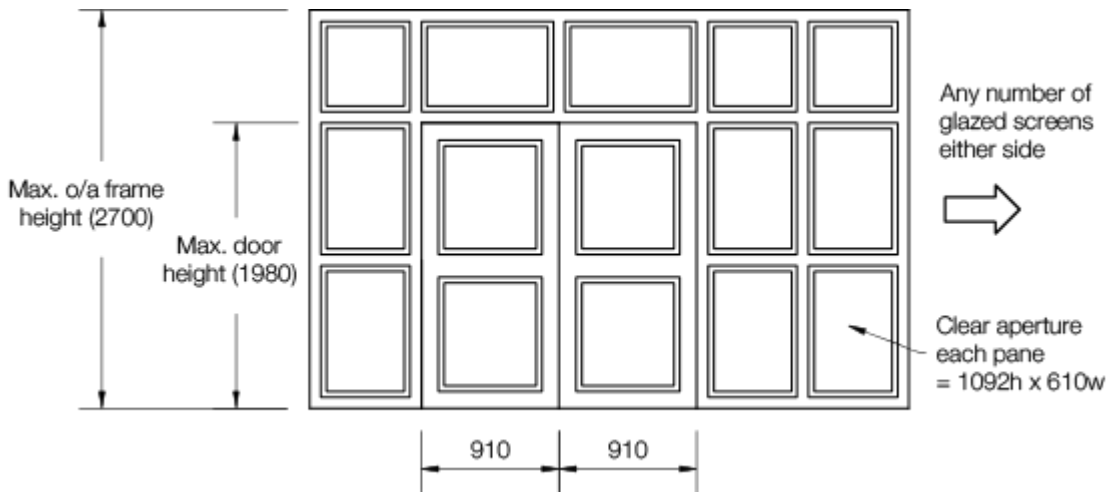


Side lights and Overlights

Single Leaf Door Sets



Pair Leaf Door Sets

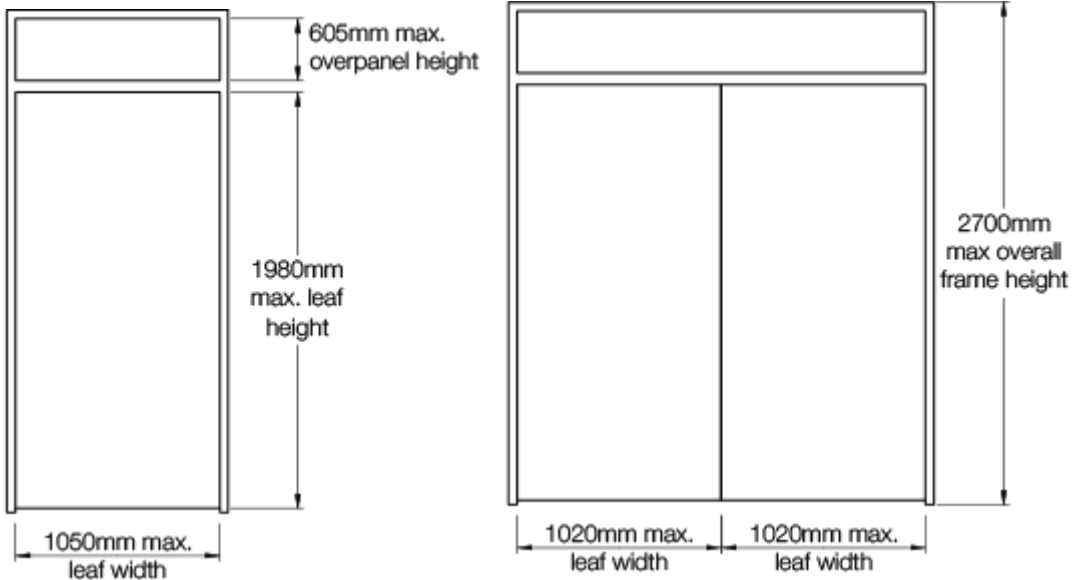


Overpanels

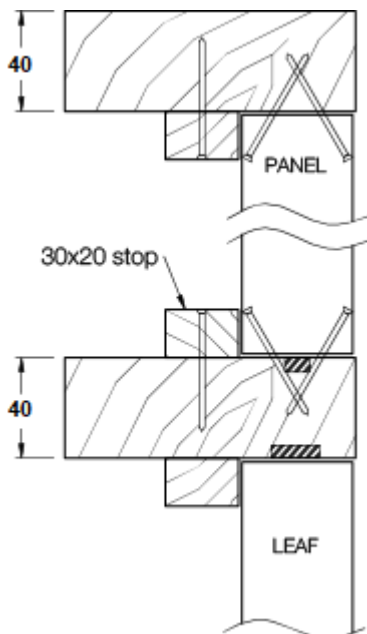
A transom overpanel of 605mm maximum height is available.

Single Door Set

Pair Door Set



Overpanel Cross Section



A fixed side panel is permitted adjacent to single or pair leaf doors separated by a timber mullion.

Additional Door Options

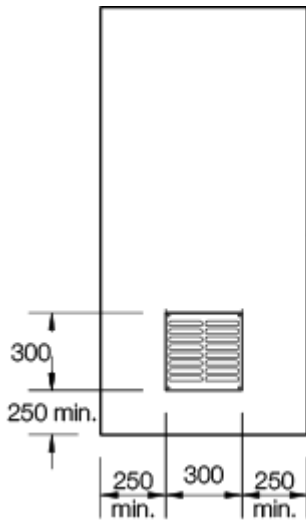
PUSH OR KICK PLATES

Stainless Steel surface-mounted, screw-fixed, to a maximum height of 600mm.

VENTILATION GRILLES

Please note that fire doors with ventilation grilles cannot be certified as 'Smoke' control door sets.

An Intumescent grille is available to a maximum size of 300 x 300mm. Ventilation grilles are not suitable for exterior quality BP30 doors.



INTERCONNECTING DOORS

An interconnecting door set is available, with two single leaf doors in series in a common frame. This door will have a fire rating of (-/60/60sm). Acoustic seals can be fitted to the door set as per items listed in the Hardware List.

This door leaf has a thermal insulation rating (R-value) of 0.48 Km²/W.

TECHNICAL COMPLIANCE STATEMENT

The BP30 fire door complies with the requirements of NZS 4520 *Fire-resistant door sets* when installed in accordance with Best Doors' Installation Instructions into a complying fire-resistant wall, and when fitted with approved hardware.

NZS 4520 is referenced in the New Zealand Building Code Acceptable Solutions (Appendix C 6.1.1)

Best BP30 fire doors have been successfully fire-tested in accordance with AS1530.4, as referenced in NZS 4520 and in Appendix C 5.1.1.

The fire resistance achieved by the BP30 was FRR -/30/30

The BP30 fire door will satisfy the requirements of NZBC, B2 "Durability" under conditions of use, installation and maintenance specified by Best Doors, or specific contractual guarantees, whichever are overriding.