

Best PR240 Hinged Door Set -/240/60sm

The Best PR240 is a side hung door set. The door set configuration may be single leaf or pair, finished with a variety of facings and hung in a steel frame.

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

The thickness of the PR240 door leaf is 48mm with an approximate leaf weight of 27kg/m²

Wall Type	Maximum Fire Resistance Rating Stability/Integrity/Insulation	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Masonry Wall	-/240/60sm *	Single	3000	1200
		Pair	3000 ⁽³⁾	1200

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.

Rebated Aluminium meeting stile is only available to maximum size of 2400 x 1200mm

Insulation ratings must be notified at time of pricing for steel frames. Maximum insulation ratings shown.

Some wall applications will have a maximum 30 minute insulation rating.

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.

Product Options

LEAF FACINGS

- Plywood
- Aluminium sheet (0.3 – 1.0mm)
- Veneered plywood
- Steel, mild or stainless (0.6 – 1.0mm)

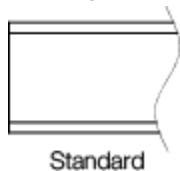
Notes:

This door set is not certified to have cappings around the edges of the door leaf.

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

LEAF EDGES

Leaf edges are available in the below profiles:



FRAME TYPES & PROFILES

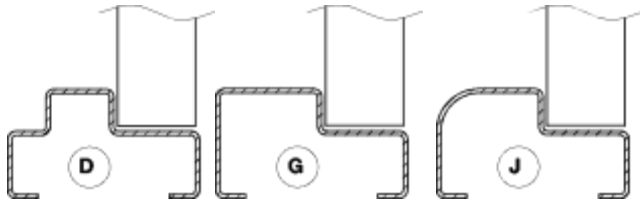
Timber Frame

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 PR240 door set.

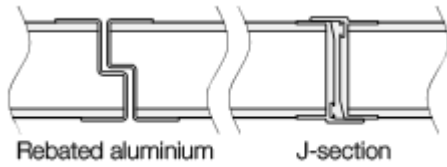
Stainless steel frames are only approved grouted into masonry or concrete walls.



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

Jambs may be connected to precast concrete (175 mm thickness minimum) or grouted blockwork (140 mm thickness minimum).

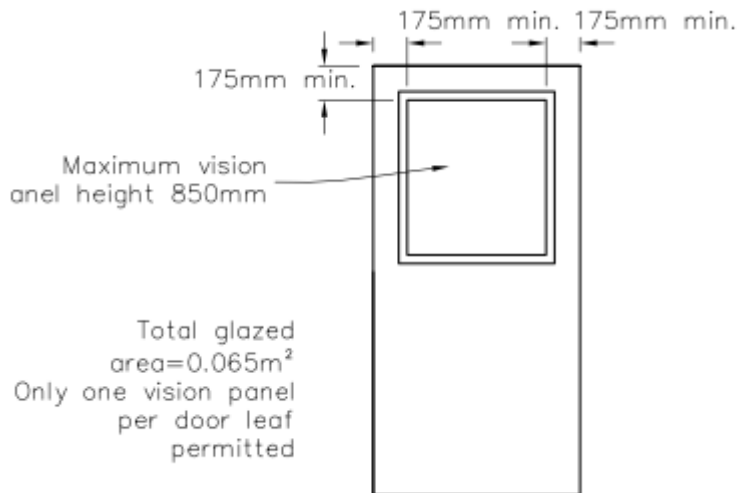
Product Optional Extras

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
Pyroceram	0.065 m ²	850	850		✓	- /240 / 60	n/a
Robax	0.065 m ²	850	850		✓	- /240 / 60	n/a

Notes:

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

Glazing types marked with * indicate Grade A Safety glass.

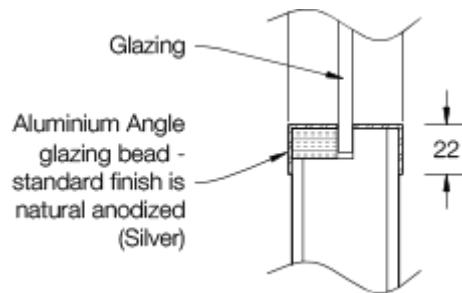


STANDARD VISION PANEL CROSS SECTIONS

Timber Bead

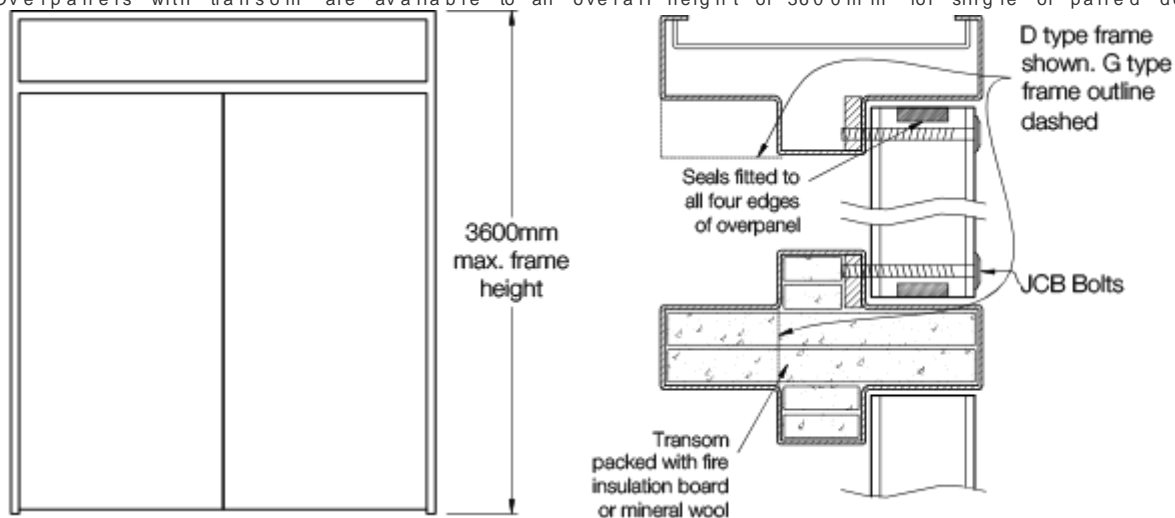
Aluminium Bead

Not applicable for this door set



Sidelights and overlights are not applicable for this door set.

Overpanels with transom are available to an overall height of 3600 mm for single or paired door sets.



PUSH OR KICKPLATES

Push plates or kickplates can be of the below permitted materials. Fixing may be via screws or contact adhesive only.

Steel, mild or stainless (0.6 – 0.9 mm)

VENTILATION GRILLES

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

Fire resistance rating for doors with ventilation grilles is limited to -/240/30.

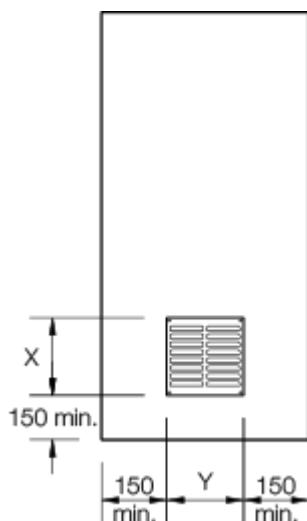
Intumescent grilles are available in the following sizes:

300 x 300 mm

450 x 450 mm

600 x 300 mm

600 x 600 mm



This door leaf has a thermal insulation rating (R-value) of $0.692 \text{ Km}^2/\text{W}$.

TECHNICAL COMPLIANCE STATEMENT

The PR 240 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 PR 240 fire doors have been successfully fire-tested in accordance with AS 1530.4, as referenced in NZS 4520 and in Appendix C 5.1.1.

The fire resistance achieved by the PR 240 was FR R:

-/240/60 for single leaf

-/240/60 for pair leaf

The PR 240 has been tested to and met the physical endurance requirements of NZS 4520 Appendix A.

The PR 240 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.