

## Best PD60 Double Action Door Set -/60/60

Best Double Action door sets are 180° pivoting doors. The door set configuration may be single leaf or pair, finished with a variety of facings and pivoted in a steel frame.

The thickness of the PD60 door leaf is 48mm with an approximate leaf weight of 27kg/m<sup>2</sup>

Wall Type	Maximum Fire Resistance Rating Stability/Integrity/Insulation	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Steel Stud Wall	-/60/60	Single or Pair	2650	1075
Timber Stud Wall		Single or Pair	2400	1200
Masonry Wall				

### Notes:

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

The Best Double Action fire door set can be supplied as a smoke control door as defined in the NZBC Acceptable Solutions. Bottom seals are not available with this door type.

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

## Product Options

### LEAF FACINGS

Plywood	Decorative Timber mouldings
Timber Veneers	MDF
Steel – mild or stainless (0.6 – 0.9 mm)	High pressure laminate
Aluminium sheet (0.3 – 1mm) *	up to 1.5 mm thick (e.g. Laminox, Formica)

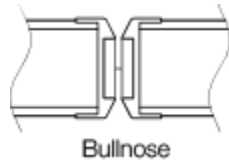
### Notes:

Door comes clashed with aluminium bullnose section to enable the double action movement.

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

### LEAF EDGES

The leaf edges listed below are available for the PD60 door set



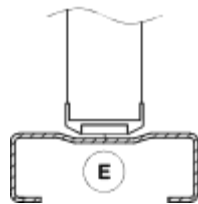
### FRAME TYPES & PROFILES

#### Timber Frame

The PD60 is not available in a timber frame.

#### Steel Frame

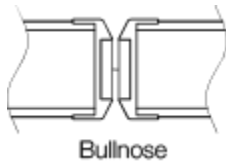
The steel frame profiles listed below are available for the PD60 door set.



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 timber stud, steel stud or concrete/masonry walls.

The minimum specification for each wall type is:

Precast concrete (150mm thickness minimum) or grouted blockwork (140mm thickness minimum).

Non-load bearing steel stud partitions of minimum specifications GBS60 (for PD30) or GBS90 (for PD60).

Note that 100mm nom. wall framing is necessary where fitting of the head spring hardware is specified.

Non-load bearing timber stud partitions of minimum specifications GBT30 (for PD30) or GBT60b (for PD60) or GBT90 (for PD90) (as listed in "Gib® Fire Rated Systems"), all based on minimum 100x50mm framing. Note that minimum 100mm nom. wall framing is necessary where fitting of head spring hardware is specified.

### Product Optional Extras

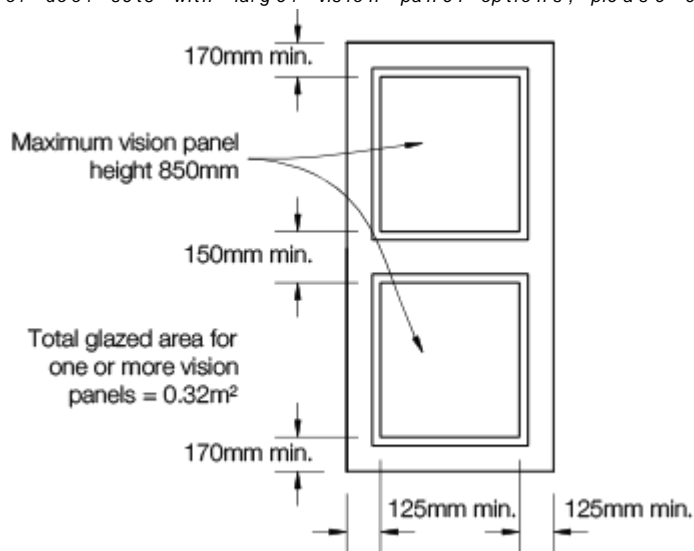
Glazing Type	Maximum Glazed Area		Max Height (mm)	Max Width (mm)	Glazing Bead		FRR with Vision Panel	
	Per VP	Total			Timber	Aluminum	Up to 0.065m <sup>2</sup>	Over 0.065m <sup>2</sup>
Pyrobel*	0.6m <sup>2</sup>	0.96m <sup>2</sup>	1630	950	✓	✓	-/30/30	-/30/30
Georgian Wired	0.32m <sup>2</sup>	0.32m <sup>2</sup>	850	950	✓	✓	-/30/30	-/30/-
Firelite	0.32m <sup>2</sup>	0.32m <sup>2</sup>	850	950	✓	✓	-/30/30	-/30/-
Robax	0.32m <sup>2</sup>	0.32m <sup>2</sup>	850	950	✓	✓	-/30/30	-/30/-
Pyran*	0.32m <sup>2</sup>	0.32m <sup>2</sup>	850	950	✓	✓	-/30/30	-/30/-

#### Notes:

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

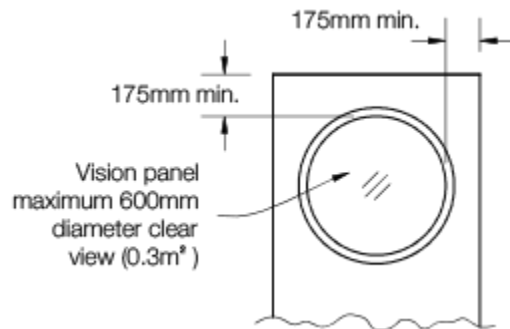
Glazing types marked with \* indicate Grade A Safety glass.

For door sets with larger vision panel options, please contact Best Doors

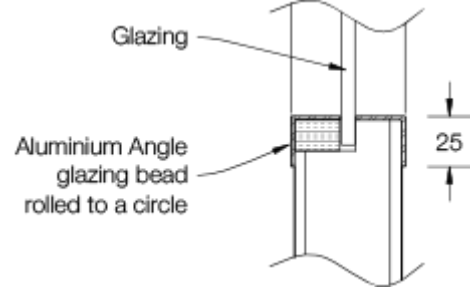


## CIRCULAR VISION PANELS

### Size allowance

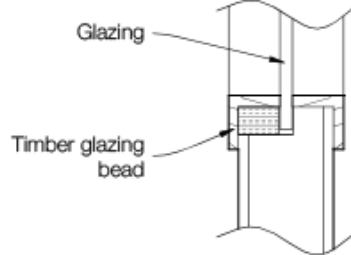


### Standard Cross Section

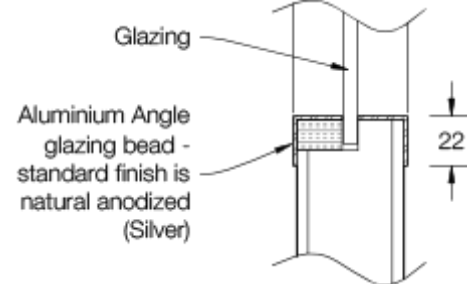


## STANDARD VISION PANEL CROSS SECTIONS

### Timber Bead



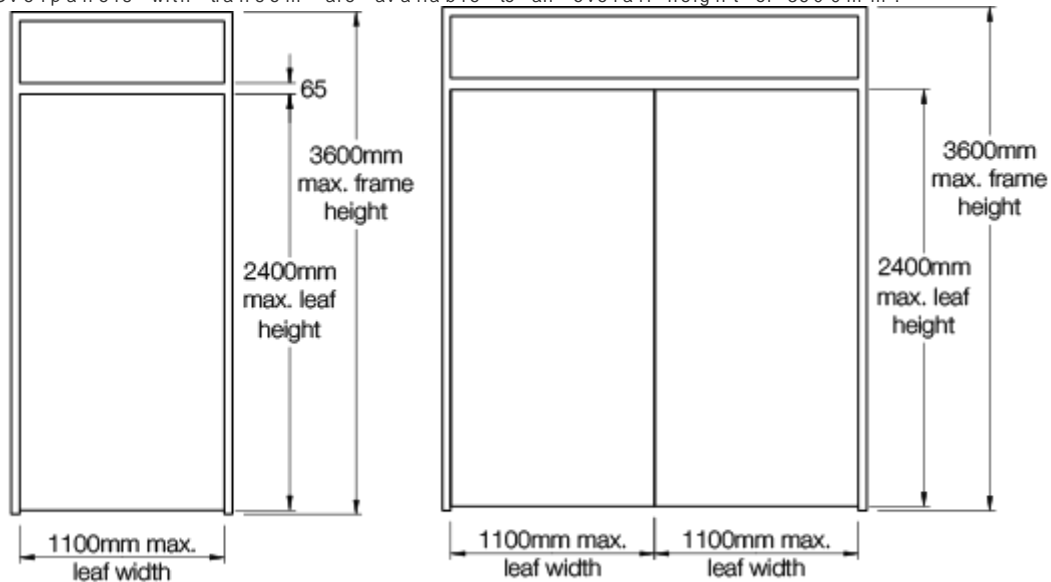
### Aluminium Bead

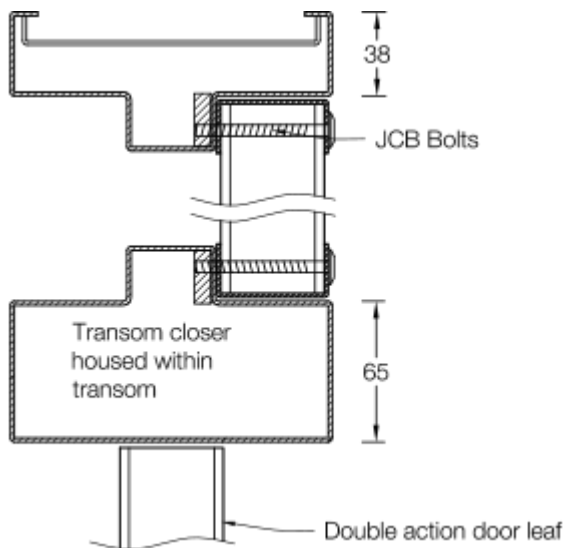


\*Pyrobel Only.

Sidelights and Overlights are not applicable to this door set. Please contact Best Doors to discuss your requirements.

Overpanels with transom are available to an overall height of 3600mm.





#### PUSH OR KICKPLATES

Push plates or kickplates can be of the below permitted materials and can be either surface mounted or recessed flush. Fixing may be via screws or contact adhesive only.

Steel

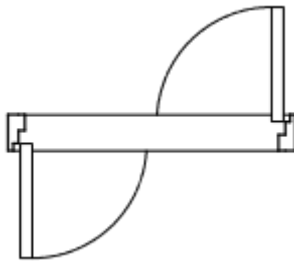
Acrovyn

#### ADJACENT DOORS

Adjacent fire rated doors are permitted provided the central mullion is grouted steel. Maximum width of the coupled doorsets is 3600mm overall.

#### RESTAURANT FUNCTION

A modified door set allowing two door leaves to open 90° in opposite directions and closing onto short header-fixed stops is available.



This door leaf has a thermal insulation rating (R-value) of  $0.645 \text{ Km}^2/\text{W}$ .

#### TECHNICAL COMPLIANCE STATEMENT

The PD60 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 PD60 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 PD60 was FRR -/60/60