04/11/2026

**Data Sheet**

# Pacific Smoke Control Door Set -/-/-sm

## Description

Pacific Smoke Control door sets are manufactured to comply with the requirements of the NZ Building Code (NZBC), set out in the Acceptable Solutions Appendix C, C6.1.2. They are required if doors are needed in smoke separations.

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

### Product Features

- Smoke control
- Single or pair
- 9 facing options
- 11 frame options
- 1 glass option
- Compatible with timber stud, steel stud, and masonry wall
- Optional side lights and over lights
- Meets NZ Building Code

**For further information on this product, visit:** https://www.pacificdoors.co.nz/products/fire/fire-doors/smoke-control/smoke-control-door

## Product options

### Leaf size and wall type

**Leaf size**
The door set configuration may be single leaf or pair, finished with a variety of facings and hung in a timber or steel frame.

The minimum thickness of the Smoke Control leaf is 45mm 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) |
|---|---|---|---|---|
| Masonry Wall<br>Timber Stud Wall<br>Steel Stud Wall | -/-/-sm | Single | 3000 | 1500 |
| | | Pair | 3000 | 1500 |

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.

## Wall types

Timber or steel frames may be connected to timber stud, steel stud, or concrete/masonry walls. Walls must be be of non-combustible construction or else have a FRR of at least -/10/10.

## Door Leaf Options

**Leaf facing**

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

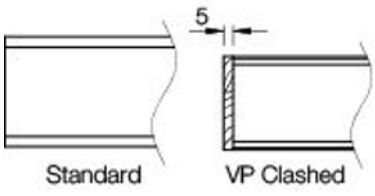
Notes:

1. Of the above facings, only those marked * may extend around the door edge.
2. Steel frames are required where metal capping is used.
3. Standard Paint Quality doors are allowed 'non-clashed' to provide the best surface for finish painting.
4. Other facings may be available; please contact Pacific Doors to discuss further options.

**Leaf Edge**

Paint quality doors have unclashed edges.

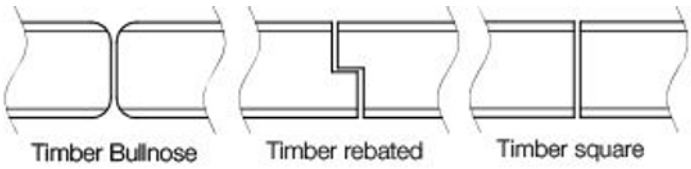
Timber veneer faced doors are clashed on the vertical edges with solid timber.





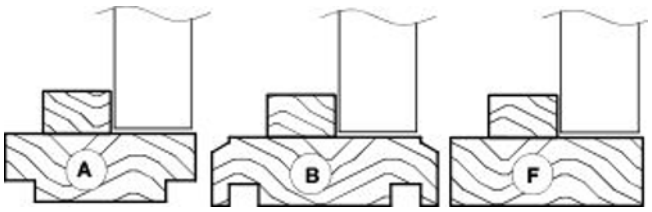

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**Meeting Stiles**
The meeting stiles listed below apply to paired door sets only.



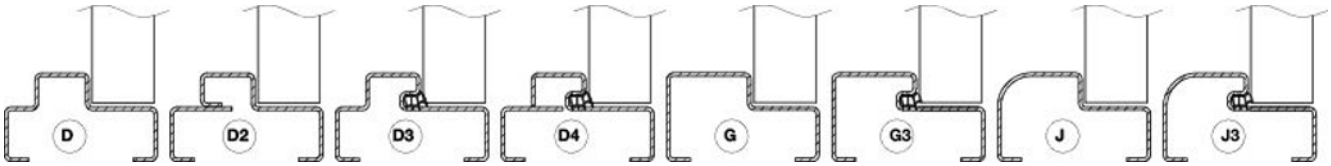

## Frame types & profiles

**Timber Frame**
The timber frame profiles listed below are available for the Smoke Control door set




**Steel Frame**
The steel frame profiles listed below are available for the Smoke Control door set.

The Smoke Control 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.

## Vision Panel

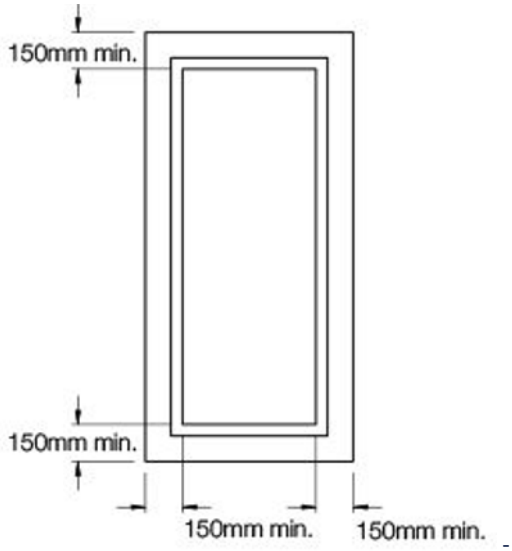
| Glazing Type | Maximum Glazed Area (mm) | | Max Height (mm) | Max Width (mm) | Glazing Bead | |
|---|---|---|---|---|---|---|
| | **Per VP** | **Total** | | | **Timber** | **Aluminium** |
| Toughened or Laminated Glazing | | 3.24m2 | 2700 | 1200 | √ | √ |

Notes:

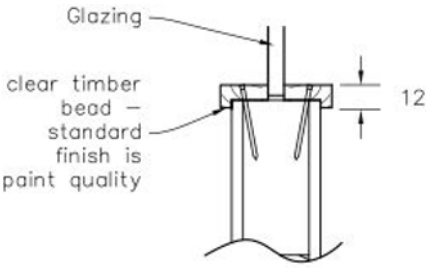
1. Please note that the height and width of the vision panel must still fall within the maximum glazed area.
2. Glazing types marked with * indicate Grade A Safety glass.



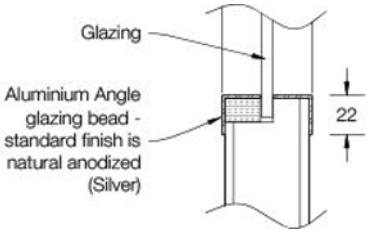
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Timber bead




Aluminium bead




## Requirements Under the NZBC Acceptable Solutions

**Smoke Seals**
Smoke seals are required and “shall be in continuous contact with the mating element, and located so as to minimise interruption by hardware” (C6.1.2c).

Pacific Smoke Control doors utilise frame-mounted rubber seals or else brush seals fitted to the door leaf.

Sill seals are not required in the Acceptable Solutions, but can be supplied fitted to the doors, typically as automatic drop seals.

## Smoke Control Door Construction

As described in Appendix C, C6.1.2, smoke control doors have these characteristics:

- Constructed with solid core leaves with leaf thickness of minimum 35mm.
- If in timber frame, minimum 30mm thick timber
- Vision panel cutouts no less than 150mm from the leaf edges
- Maximum average clearances are:

- Leaf to frame 3mm

- Leaf to leaf 5mm

- Leaf to top of any floor covering 10mm



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- Additional facings are adhesive fixed

**Self-Closing**
All smoke control door leaves must be self-closing (Appendix C C6.1.4) and the self-closing device needs to be adjustable to meet the frictional forces requirements. A self-closer mechanism which activates in the event of a fire but does not operate at other times is acceptable (C6.1.5).

In C/AS2 (Risk Group SI) 4.6.5, smoke control doors in smoke separations subdividing a group sleeping area firecell need not be fitted with self-closers.

**Latching**
Latching of Smoke Control doors is not specifically required by the NZBC Acceptable Solutions, however positive latching may be required to provide adequate sealing against smoke. If present, the type of latching or other hardware used must not interfere with the ability of the door to self-close.

**Frictional Forces**
Requirements for the maximum forces required to open any smoke control door on an escape route are set out in Appendix C6.1.3.



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