

PACIFIC F0.5 FIRE DOORSET

DESCRIPTION

The Pacific F0.5 is a side hung Fire Doorset which complies with the requirements of NZS 4520 *Fire-resistant doorsets*, as referenced in the New Zealand Building Code (NZBC Appendix C 6.1.1). The doorset configuration may be single leaf or pair, finished with a variety of facings and hung in a timber or steel frame.

FIRE RESISTANCE RATING

-/30/30 (sm)

(Stability/Integrity/Insulation Smoke Control)

Note: the Insulation rating applies to a doorset with no vision panels or with uninsulated vision panels of no greater area than 0.065m² per door leaf (NZS 4520 3.2).

F0.5 fire doorsets with larger uninsulated vision panels have a fire resistance rating of -/30/- .

F0.5 doors with vision panels glazed with Pyrobel fire insulating glass have a fire resistance rating of -/30/30.

FIRE TESTING

Pacific F0.5 fire doors are supported by fire tests conducted by both the Building Research Association of New Zealand (BRANZ) in accordance with AS1530.4, BS476.22 and ISO3008 and CSIRO Building, Construction and Engineering in accordance with AS1530.4 (with special requirements).

The fire resistance achieved by the F0.5 fire doorset was:

-/30/30

BRANZ is accredited by International Accreditation New Zealand for testing to the above fire test standards. CSIRO fire test facilities are NATA registered.

SMOKE CONTROL

F0.5 can be supplied as a smoke control door as defined in the NZBC Acceptable Solutions Appendix C, C6.1.2.

Timber-framed smoke control doors include a brush seal in the frame.

Steel framed doors include a brush seal in the leaf or the PFS-3 frame seal.

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

LEAF SPECIFICATIONS

Leaf Weight: with standard facings 27 kg/m²

Leaf thickness: 45mm

Maximum Leaf Sizes:

Single Doors: 2400 x 1050mm

Pairs of Doors: 2380 x 810, 2100 x 910 or
2030 x 1050mm

LEAF FACINGS

- MDF 4.75mm, 6mm
- Hardboard 4.75mm
- Oil Tempered Hardboard 4.75mm
- Plywood (including paper-faced plywood)
- Formica (standard or FR)
- Timber Veneers
- Acrovyn, including capping & jamb liner
- Korogard, including capping & jamb liner
- Sheet vinyl
- Solid Timber (Thickness up to 12mm, Rimu or denser timber)
- Timber mouldings

PAIR MEETING STILES

Square and rebated meeting stiles are available.

FRAME MATERIALS

- Solid timber of thickness 30mm or 42mm.
- MUF 28mm thick
- Pressed steel frame 1.6mm thick.
- A two-part steel frame system is available for fixing to openings in walls already lined – refer to the Two Part Steel Frame datasheet.

FRAME INSTALLATION & PROFILES

Frame profiles and installation to different wall types (Timber stud, steel stud and masonry walls) are illustrated on the individual Installation datasheets.

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WALL TYPE

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:

1. Precast concrete (100mm thickness) or grouted blockwork (190mm thickness).
2. Timber framing, minimum ex 75x50, with minimum lining thickness of 9.5mm Fyrelite Gib Board® each side in accordance with Winstone Wallboards' GBT30.
3. 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.
4. Universal Wall systems GBUW30a or GBUW30b
5. 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.

VISION PANELS

Vision Panels using Georgian Wired Glass, Firelite, Schott Robax glass, Pyran and Pyrobel are permitted, each of a maximum area 0.6m². Sizing rules are illustrated on the Detail Drawings datasheet. Maximum total area glazed per leaf is 1.0 m².

A special fully glazed door construction using Schott Pyran glass is available – refer to the FW30-3 datasheet.

HARDWARE

A wide range of hinges, locksets, closers and other accessories have been tested or approved to NZS 4520. Refer to the website www.pacificdoors.co.nz for the current list.

EXTRAS

Push or Kickplates

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

Overpanels

Transom overpanels are available for:

Door pairs - maximum leaf width 1020mm and overall frame height 2700mm

Single leaf - maximum overpanel size 605mm high over a maximum 1980 x 1050mm door.

Overlights/Sidelights

Overlights and Sidelights are available as described in the specification for FW30-2 under Fire Windows.

Side Panel

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

Ventilation Grille

(Not permitted in smoke control doorsets)

An Intumescent grille is available to a maximum size of 300 x 300mm (shown in the Ventilation Grille Details datasheet). Ventilation grilles are not suitable for exterior quality F0.5 doors.

Interconnecting Doors (FRR -/60/60)

An interconnecting doorset is available, with two single leaf doors in series in a common frame. Acoustic seals can be fitted to the doorset as per items listed in the Hardware List.

FIRE DOOR DURABILITY

Pacific Fire Doors will satisfy the requirements of NZBC, B2 "Durability" under conditions of use, installation and maintenance specified by Pacific Door Systems Limited, or specific contractual guarantees, whichever are overriding.

ORDERING PACIFIC FIRE DOORSETS

A Doorset Order Form is provided to clients for confirming details of all orders.