

Class 2 - Building Product Information

Product name

Pacific Doors Fire Doors

Product line

VP-series fire doors

Pacific Doors VP-series fire doors are available with fire ratings up to and including 120 minutes of integrity and 60 minutes of insulation.

This product is based on Pyropanel FR board technology. It is available in a range of sizes with multiple options for leaf facings, frames and glazing configurations.

For a full range of options, please refer to <https://www.pacificdoors.co.nz/products/fire/fire-doors>

Product identifiers

Designation	Fire rating	Door function
VP30	30 minutes	Hinged
VP30HR	30 minutes	Hinged
VP30HR DA	30 minutes	Pivoting
VP30DA	30 minutes	Pivoting
VP60	60 minutes	Hinged
VP60HR	60 minutes	Hinged
VP60DA	60 minutes	Pivoting
VP90	90 minutes	Hinged
VP120	120 minutes	Hinged
VP120DA	120 minutes	Pivoting

Place of manufacture

Pacific Doors factories in Timaru and Lower Hutt, New Zealand.

Legal and trading name of manufacturer: Pacific Door Systems Ltd
Address for service: 17 Meachen St., Seaview, Lower Hutt 5045
NZBN: 9429038999413

Website: www.pacificdoors.co.nz

Contact email: sales.pacificdoors@assaabloy.com

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Relevant Building Code clauses

B2 Durability: Performance clause B2.3.1(b)

C3 Fire affecting areas beyond the source: Performance clause C3.9

C4 Movement to a place of safety: Performance clauses C4.3 and C4.5

D1 Access Routes: Performance clause D1.3.1(b), D1.3.1(c) and D1.3.4(f)

F2 Hazardous building materials: Performance clauses F2.3.1, F2.3.2 and F2.3.3

G6 Airborne and impact sound: Functional requirement G6.2

Statement on how the building product is expected to contribute to compliance

B2.3.1(b): The VP-series fire doors can be finished to provide a durability of at least 15 years in all interior applications, excepting applications where the product is subjected to direct exposure to moisture. Durability is dependent on product being installed and maintained in accordance with Pacific Door Systems Ltd Operations and Maintenance manual.

C3.9: VP-series fire doors are a tested fire door system and can assist with controlling the spread of fire.

C4.3 and C4.5: VP-series fire doors can be used within an escape route where relevant considerations are specified in the project requirements. Doors should be specified in accordance with NZBC C/AS2 3.15.

The fire doors are tested in accordance with AS1530.4:2014 and comply with NZS4520:2010 as per the requirements of NZBC C/AS2 Appendix C C6.1.1. They comply with specifications given by NZBC C/AS2 4.16.

Doors fitted with smoke seals comply with the NZBC C/AS2 C6.1.2 definition of smoke control doors.

Compliance is dependent on product being installed and maintained in accordance with Pacific Door Systems Ltd Operations and Maintenance manual and fitted with compliant hardware as advised by Pacific Door Systems Ltd.

Compliant hardware list: <https://www.pacificdoors.co.nz/resource/fr-approved-hardware>

D1.3.1(b): When correctly specified VP-series fire doors can be used as entry doors. Limitations may apply.

D1.3.1(c): VP-series fire doors can be used within an accessible route where design consideration is given to NZBC D1/AS1 7.0

D1.3.4(f): VP-series fire doors can be fitted with handles meeting the requirements of NZBC D1/AS1 7.0.5. Selection and supply of hardware is not the responsibility of Pacific Doors.

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F2.3.1: VP-series fire doors do not give rise to any harmful concentrations of gas, liquid, radiation or solid particles during the construction of buildings.

F2.3.2: Glazing in VP-series fire doors can be fitted with glazing manifestations for visibility. Supply and installation by others.

F2.3.3: When correctly specified, VP-series vision panels, sidelights and overlights comply with NZS 4223.3:2016.

G6.2: VP-series fire doors can be fitted with acoustic seals to aid in the prevention of undue noise transmission. Tested solutions are available.

Relevant standards

AS 1530.4:2014 "Methods for fire tests on building materials, components and structures. Part 4: Fire-resistance tests for elements of construction"

NZS 4520:2010 "Fire-resistant doorsets"

NZS 4223.3:2016 "Glazing in buildings Part 3: Human impact safety requirements"

ISO 140-1:1997 "Acoustics – Measurement of sound insulation in buildings and of building elements"

Limitations on the use of the building product

C3.6: While radiation flux from a VP-series fire door is well under the 30 kW/m² required by this clause, we don't recommend using this product in exterior walls that are within 1 m of the property boundary. Please see clause 3.7 for reference.

C3.7: VP-series fire doors are not tested for ignition by radiation from a remote source. They are not suitable for installation in exterior walls that are within 1 m of the property boundary.

E2: The VP-series fire doors are not tested for water ingress in exterior applications, and we make no claims with regards to its suitability under NZBC E2 External moisture.

If this product is installed in an exterior wall it should be given the maximum possible amount of protection, including overhead protection. Flashing design, supply, and installation by others.

Limitations on fire ratings, size and other product options are as per product datasheet.

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Design requirements that would support the use of the building product

The VP series fire doors are designed for use in residential and commercial buildings where a performance fire door is required.

Installation instructions

<https://resource.pacificdoors.co.nz/fire/installation-instructions>

Maintenance requirements

As per Pacific Door Systems Ltd Operations and Maintenance manual:

<https://www.pacificdoors.co.nz/resource/operations-and-maintenance-manual>

This building product line is not subject to a warning or ban under section 26.

Version: 02

Date: 11/3/25