

## Class 2 - Building Product Information

### Product name

Pacific Doors Fire Doors

### Product line

Forster fire doors and windows

Pacific Doors Forster fully glazed steel fire doors and windows are available with fire ratings up to and including 60 minutes of integrity and 30 minutes of insulation.

This product is based on Forster steel frame technology. It is available in a range of sizes. All doors are fully glazed with a 70 mm steel surround. Hardware is limited to a proprietary Forster selection. All windows are fixed-glazing only.

There are two base systems used, FuegoLight (insulated) and Presto (uninsulated).

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

### Product identifiers

Designation	Fire rating	Door function
PFP60	60 minutes	Hinged
PFL60	60 minutes	Hinged
PFW30	30 minutes	Window
PSW60	60 minutes	Window
PFW60	60 minutes	Window
PFLW60	60 minutes	Window
PSW120	120 minutes	Window
PFW120	120 minutes	Window

### 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](http://www.pacificdoors.co.nz)

Contact email: [sales.pacificdoors@assaabloy.com](mailto: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 C3.6, C3.7 and 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)

E2 External moisture: Performance clauses E2.3.2, E2.3.3

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 Forster fire doors can be finished to provide a durability of at least 15 years in all interior applications. Durability is dependent on product being installed and maintained in accordance with Pacific Door Systems Ltd Glazed Screens Operations and Maintenance manual (End user).

C3.6: Radiation flux from a Forster FuegoLight fire doors and windows is under the 30 kW/m<sup>2</sup> required by this clause and is suitable for exterior walls that are within 1 m of the property boundary.

C3.7: The Forster FuegoLight fire doors and windows are manufactured from non-combustible materials and are suitable for installation in exterior walls that are within 1 m of the property boundary.

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

C4.3 and C4.5: Forster 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.

Forster fire windows are tested in accordance with AS1530.4:2014 and comply with NZS 4232.2:1988

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

Compliant hardware list: <https://www.pacificdoors.co.nz/fire/frr-approved-hardware>

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

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

D1.3.4(f): Forster fire doors can be fitted with handles meeting the requirements of NZBC D1/AS1 7.0.5.

E2.3.2, E2.3.3: The Forster fire doors are tested for water ingress to AS/NZS 4284:2008 "Testing of building facades" and comply with the requirements of NZ4211:2008 "Specification for performance of windows" up to and including the High Wind Zone as given by NZS3604:2011. Windows are compliant up to and including the Extra High Wind Zone.

F2.3.1: Forster 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 Forster fire doors can be fitted with glazing manifestations for visibility. Supply and installation by others.

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

G6.2: Forster fire doors can be fitted with acoustic seals to aid in the prevention of undue noise transmission.

### 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 4232.2:1988 "Performance criteria for fire resisting closures Part 2: Fire resistant glazing systems"

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

AS/NZS 4284:2008 "Testing of building facades"

NZ4211:2008 "Specification for performance of windows"

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

### Limitations on the use of the building product

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

### Design requirements that would support the use of the building product

The Forster fire doors and windows are designed for interior or exterior use in residential and commercial buildings where a fully glazed performance fire door or window is required.

### Installation instructions

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

### Maintenance requirements

As per Pacific Door Systems Ltd Operations and Maintenance manual:

<https://www.pacificdoors.co.nz/sites/default/files/images/Glazed%20Screens%20%20Handling%20and%20care%20manual%20%28End%20User%29.pdf>

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

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