updated 20/02/2024

CLASS 2

Building Product Information Sheet

Product name:

Best Doors Ltd

Product line:

Best Fire Doors

Product description and its intended use:

Best Fire Doors, for use as fire doors up to 120min fire resistance rating (FRR). Manufactured with various tested cores. Available as sliding, single or double doors, hinged or double action pivot.

Best Fire Doors are custom fabricated to meet the specific requirements of each project. This includes customized door leaf sizes, FRR rating, smoke seals, timber jamb designs, customized door leaf facings, leaf edge options, vision panel and beading, side lights, overpanels and ventilation grills.

Product identifier:

Smoke Control	Best Door, Smoke Control, hinged single or double door
BP30	Best Door, 30 minute, hinged single or double door
PA30	Best Door, 30 minute, hinged single or double door
PR30	Best Door, 30 minute, hinged single or double door
PD30	Best Door, 30 minute, double action single or double door
PS30	Best Door, 30 minute, sliding door
PA60	Best Door, 60 minute, hinged single or double door
PR60	Best Door, 60 minute, hinged single or double door
PD60	Best Door, 60 minute, double action single or double door
PS60	Best Door, 60 minute, sliding door
PR90	Best Door, 90 minute, hinged single or double door
PS90	Best Door, 90 minute, sliding door
PR120	Best Door, 120 minute, hinged single or double door
PD120	Best Door, 120 minute, double action single or double door
PS120	Best Door, 120 minute, sliding door

Refer to https://www.bestdoors.co.nz/collections/fire-fire-doors

Place of manufacture:

New Zealand

Legal and trading name of the manufacturer(s):

Best Doors Limited

Address for service: 80 Hastie Ave, Mangere Bridge, Manukau 2022



Website: www.bestdoors.co.nz

Email address: sales@bestdoors.co.nz

Phone Number: 09 633 0046

NZBN: 9429040391236

Relevant Building Code clauses:

B2 DURABILITY: performance clause B2.3.1 (b)

C3 FIRE AFFECTING AREAS BEYOND FIRE SOURCE: functional requirement clause C3.1 C4 MOVEMENT TO A PLACE OF SAFETY: functional requirement clause C4.2, performance clause C4.3 and C4.5

C5 ACCESS AND SAFETY FOR FIRE FIGHTING OPERATIONS: functional requirement clause C5.6 and C5.8

D1 ACCESS ROUTE: performance clauses D1.3.1(b) (if used for external door application), D1.3.1 (c) and D1.3.4(f)

E2 EXTERNAL MOISTURE: performance clauses E2.3.2 and E2.3.7 (if used for external applications in protected applications.)

Statement of how the building product is expected to contribute to compliance:

B2 DURABILITY - B2.3.1 (b):

- Best Doors have a durability beyond 15 years when correctly installed and maintained.
- Best Fire Doors will satisfy the requirements of NZBC, B2 Durability under conditions of use, and Care of Product as detailed by Best Doors or otherwise specified within contractual guarantees.

C3 FIRE AFFECTING AREAS BEYOND FIRE SOURCE - C3.1 & C4 MOVEMENT TO A PLACE OF SAFETY: C4.2, C4.3 and C4.5 C5 ACCESS AND SAFETY FOR FIRE FIGHTING OPERATIONS

• In accordance with NZBC C/AS2 clause 4.16 and Appendix C clause C6.1.1, Best Fire Doors comply with NZS 4520 and are tested to AS 1530.4 :2014.

Fire Doors are supplied with Product Labels/ID tags which comply with NZS 4520, on which the Fire Resistance Rating (FRR) and door set numbers are detailed. In accordance with NZS 4520, Best Doors maintains a register of door sets, and issues an installer's declaration with each door set.

- Where required Best doors are supplied with and to be fitted with smoke seals in accordance with NZBC C/AS2 clause 4.16.2 b) and Appendix C C6.1.2.
- Where required, glazing to Best Fire Doors is in accordance with NZBC C/AS2 paragraph 4.2, uninsulated and insulated vision panels comply with NZS 4520.
- Where required Best Fire Doors are to be self-latching, in accordance with NZS 4520. The selection of hardware to meet these requirements is not the responsibility of Best Doors but Best Doors makes available a list of commonly specified approved hardware for use with its fire door set products.
- Best Fire Doors are to be self-closing in accordance with NZBC C/AS2 Appendix C, clause C6.1.4 and C6.1.5 and NZS 4520. If door is located on an escape route, a self-closing device to be installed and adjusted to meet maximum frictional forces requirements of NZBC C/AS2 Appendix C, clause 6.1.3. The selection of hardware to meet



these requirements is not the responsibility of Best Doors but Best Doors makes available a list of commonly specified approved hardware for use with its fire door set products.

• Doors subdividing escape routes, to be designed in accordance with NZBC C/AS2 clause 3.15, including door closers and latching, locking devices, direction of opening, degree of opening, vision panels, hold open devices, delayed action unlocking devices and panic fastenings. The selection of hardware to meet these requirements is not the responsibility of Best Doors but Best Doors makes available a list of commonly specified approved hardware for use with its fire door set products.

D1 ACCESS ROUTES: D1.3.1 b) c) and D1.3.4 f)

- Best Fire Doors can be used within as accessible route where design consideration is given to compliance to NZBC D1/AS1, paragraph 7.0.
- Doors to be installed with door handles that meet the requirements of NZBC D1/AS1 clause 7.0.5. The selection of hardware to meet these requirements is not the responsibility of Best Doors but Best Doors makes available a list of commonly specified approved hardware for use with its fire door set products.

E2 EXTERNAL MOISTURE: E2.3.2 and E2.3.7

• Best Fire Doors have not been tested for water ingress in exterior installations and we make no statement as to its suitability under NBCC E2 "External Moisture". All exterior doors should be given the maximum amount of protection possible, including overhead protection and be fitted with an appropriate flashing system.

RELEVANT STANDARDS

- NZS 4520:2010 Fire resistant doorsets
- AS1530.4:2014 Methods for fire tests on building materials, components and structures. Part 4: Fire resistance tests of elements of building construction.

Limitations on the use of the building product

Best Fire Doors are to be used in conjunction with the correctly specified jamb system supplied by Best Doors. Components are not interchangeable with other supplier materials or components.

Best Fire Doors are not suitable for unprotected exterior use where they are exposed to natural elements such as direct sun or rain, except Electrogalvanized steel leaf facings which are suitable for sheltered and full exterior applications. Limitations on Fire Rating, Size and other product options are as per the relevant door data sheets.

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

Best Fire Doors are designed for commercial and residential buildings, and their associated ancillary and outbuildings.

Best Fire Doors maximum door leaf heights and widths, required door leaf thicknesses are stated on the selected door data sheets.

Door jamb/frames, to be in accordance with options stated on the selected door data sheets.

Door leaf facing options and leaf edge options to be in accordance with options states on the selected door data sheets.

Design door vision panels, side lights and overpanel configuration, maximum



dimensions, glass type and glazing bead type in accordance with parameters stated on the selected door data sheets.

All door hardware used on conjunction with Best Fire Doors to be Best Doors approved hardware. The selection of hardware is not the responsibility of Best Doors but Best Doors makes available a list of commonly specified approved hardware for use with its fire door set products. For compliance fire signage to be installed in conjunction with fire doors in accordance with NZBC C/AS2, paragraph 3.16 and F8/AS1, paragraph 5.2.

Installation requirements:

Inspect products prior to installation to ensure they are free from defects and damage.

Best Fire Doors must be installed in accordance with Best Doors requirements. Refer to www.bestdoors.co.nz for installation instructions.

Doors not to be delivered to site until relative humidity levels are acceptable. Doors manufactured with moisture content 10-12%.

Opening to be prepared as per Best Doors Installation Document relating to correct configuration and wall system.

Appropriate packers and Backfilling required to ensure compliance, see appropriate Installation Document

Fix Jamb as per appropriate requirements, see appropriate Installation Document Check all operational clearance;

o Leaf to Jamb Clearance (head and stiles): Mean 3mm

o Meeting Stile, leaf to leaf: Mean 4mm

o Floor Clearance, door leaf to any floor coverings: Max 10mm

Where Door stops are supplied loose (Timber Jamb System) do not fit until all perimeter seals and hardware is installed and operating. Set and fix door stop ensuring the door latches freely.

Best Doors issues an installer's declaration with each door set. The installer's declaration is to be completed by the installer post installation and fitting of hardware, and returned as confirmation of compliance with NZS 4520, prior to Best doors supplying of Fire/ID tag labels.

Maintenance requirements:

For maintenance care and warranty information refer https://www.bestdoors.co.nz/pages/downloads

Is the building product/building product line subject to warning or ban under section 26?:

No