

POTTER INTERIOR SYSTEMS DS SERIES SMOKE CONTROL DOOR

PRODUCT TYPE AND APPLICATION

The Potter Interior Systems DS Series Smoke Control Door, a cutting-edge solution that offers protection from the spread of smoke in buildings.

The following components comprise the Potter Interior Systems DS Series Smoke Control Door:

Frame components

- PAS 314 (90mm framing)
- PAS 317 (90mm framing)
- Raven RP120 door seal

Door leaf components

- PAS500/100 stile
- PAS503/100 rail
- PAS504 glazing Bead
- PAS502 slipper plate
- UCBRACE
- V fin glazing wedge
- Laminated Glass with glazing wedge
- Firesilicone EMA
- Bostik Expand foam
- Hinges x 4 and screws
- Allegion Briton - Door Closer 1130
- Allegion Door passage handle set with latch action
- Raven RP8si - drop down seal

Compliance with the New Zealand Building Code

When correctly specified and installed, this product meets or contributes to compliance with the following performance requirements of the building code:

B1 Structure B1.3.1, B1.3.2, B1.3.3 (f, j, m), B1.3.4

The Potter Interior Systems DS Series Smoke Control Door is designed to fit with Potter Interior Systems Aluminium Partition Suites that are robust and provide support for partitions to comply with B1 Structure.

B2 Durability B2.3.1 (c)– The Potter Interior Systems DS Series Smoke Control Door and components are durable with a well-established in-service history.

C4 Movement to place of safety C4.3 (contributes to) – The Potter Interior Systems DS Series Smoke Control Door contributes to limiting the spread of smoke in buildings. It has undergone extensive testing at ambient temperatures in accordance with AS/NZS 1530.7:1998 which sets out the protocols for evaluating the smoke leakage in building materials, components, and structures.

F2 Hazardous building materials F2.3.1, F2.3.2 – the Potter Interior Systems DS Series Smoke Control Door does not contain any substance that will give rise to harmful concentrations at the surface of the material where the material is exposed or in the atmosphere of any space. The door is fitted with laminated glass complying with NZS4223 NZS 4223.3 Part 3: 2016 Glazing in buildings – Human impact safety requirements.

BASIS OF COMPLIANCE

- Oculus Engineering Judgement Ref J230045, Smoke Door Test, 16 August 2023
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure First edition (Amendment 20), 29 November 2021
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
- C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire First edition (Amendment 3), 2 November 2023
- C/VM2 Verification Method: Framework for Fire Safety Design for New Zealand Building Code Clauses C1-C6 Protection from Fire (Amendment 6), 5 November 2020
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause F2 Hazardous building materials First edition (Amendment 3), 1 January 2017

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Conditions of Storage, Use & Maintenance

- Store materials and accessories on a level, firm base, in dry conditions, well ventilated, out of direct sunlight and completely protected from weather and damage. Ensure storage areas are away from current work areas.
- Cover to keep dry until fixed.
- Avoid distortion and contact with potentially damaging surfaces or substances.
- Do not drag components across each other, or across other materials. Protect edges, corners and surfaces from damage.

Limitations of Use

- This product is not suitable for use in external applications.
- This product is not subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.

Specific Design or Installation Instructions

- Install in accordance with Potter Interior Systems DS Series Smoke Control Door Installation Guide Issued November 2023.
- Guidance on the design and installation of internal partitions may also be found in the AWCI Code of Practice (<https://awci.org.nz/wp-content/uploads/COP-Internal-Walls-and-Partitions-coloured.pdf>)

Refer to the product datasheet at www.potters.co.nz for more information. For general installation guidance refer to the Aluminium Partition Specification manual at www.potters.co.nz

Declare.

All our mill finish aluminium partition suites carry the Declare label which states where the product is made, if it contains any red list chemicals and it's end-of-life options.



Scan For Product Datasheets And Specification Manuals.
www.potters.co.nz 0800POTTERS

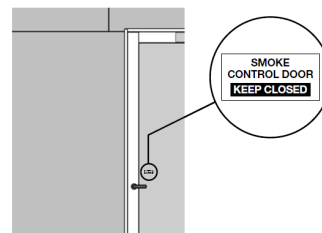
Technical - Smoke Control Door Labels

There are two sets of Smoke Door stickers available from a Potters branch.

1. Smoke Control Door, Keep Closed

As a legal requirement each door needs to clearly display on each side of the glass the large white sticker "Smoke Control Door, Keep Closed."

This is highlighted below and in further detail in Step 12 of the Install Guide available on our website.



2. Silver Foil Stickers

The compliance standard NZS3520 relates to fire-resistant doorsets only and does not have relevance to smoke doors as noted below:

"Testing, installation, and performance of doors or components required to control the passage of smoke are not included within the scope of this Standard".

Whilst there are no legal requirements according to the building code to put an additional label on the Smoke Control Doors, due to feedback from customers we are providing these so they can be applied at the time of installation.

The stickers can be filled out by the installer and are to be applied as shown within the door frame.



SMOKE RATED DOOR -/-/-
Tested in accordance with
AS/NZS 1530.7:1998.

Doorset no:

Installer:

Contact No:

Date Installed:

