



Class 2

Building Product Information Sheet

Product name:

Infernoguard Smoke Doors

Product line:

Smoke Doors

Product description and its intended use:

Infernoguard Smoke Doors are used as smoke-rated doors FRR -/-/-sm. Manufactured with solid particleboard core. Available as single or double doors.

Infernoguard Smoke Doors are custom made to the requirements of each project including door leaf sizes, smoke seals, timber frames, customised door leaf facings, leaf edge options, vision panel, side lights, over panels, and acoustic rating.

Product identifier:

IFSMHSC, IFSMHSK, IFSMHSM, IFSMHSS, IFSMHST – Smoke Door, Hinged single door.

IFSMHPC, IFSMHPK, IFSMHPM, IFSMHPS, IFSMHPT – Smoke Door, Hinged double door.

Refer to <https://soteriadoors.co.nz/product/smoke-rated-interior-doors/#taxonomy>

Place of manufacture:

New Zealand

Legal and trading name of the manufacturer(s):

Soteria Group Ltd

Address for service: Edward Street, Dargaville, Northland 0310, NZ

Website: www.soteriadoors.co.nz

Email address: sales@soteriadoors.co.nz

Phone Number: 09 439 4910 or 0508 966 378

NZBN: 9429030445338

Relevant Building Code clauses:

B2 DURABILITY: performance clause B2.3.1 (c)

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)

F2 HAZARDOUS BUILDING MATERIALS: performance clauses F2.3.1, and for doors with glazing also F2.3.2 and F2.3.3

G6 AIRBORNE AND IMPACT SOUND: functional requirement clause G6.2, for doors with acoustic requirements.

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

B2 DURABILITY – B2.31 (c):

- Infernoguard Smoke Doors have a durability beyond 5 years when correctly installed and maintained.
- Infernoguard Smoke Doors will satisfy the requirements of NZBC, B2 Durability under conditions of use, and Care of Product as detailed by Soteria 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

- Infernoguard Smoke Doors are manufactured to comply with NZBC C/AS2 clause 4.16 and Appendix C clause C6.1.2. Infernoguard Smoke Doors can be supplied with ID tags to identify and detail the smoke rating and relation to NZBC C/AS2 C6.1.2 on which the door ID and manufacturing date is listed. Soteria Group maintains a register of all Smoke Rated and Fire Rated Door sets, and issues and installer's declarations with each door set.
- Infernoguard Smoke Doors are fitted with smoke seals in accordance with NZBC C/AS2 clause 4.16.2 b) and Appendix C C6.1.2.
- If required, glazing to Infernoguard Smoke Doors is in accordance with NZBC C/AS2 paragraph 4.2.
- Infernoguard Smoke Doors are to be self-closing in accordance with NZBC C/AS2 Appendix C, clause C6.1.4 and C6.1.5. If door is located on an escape route, a self-closing device is to be installed and adjusted to meet maximum frictional force requirements of NZBC C/AS2 Appendix C, clause 6.1.3.
- 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 Soteria Doors.

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

Infernoguard Smoke 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 Soteria Group.

E2 EXTERNAL MOISTURE: E2.3.2 and E2.3.7

Infernoguard Smoke 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 as much shelter as permissible and be fitted with appropriate flashing systems.

F2 HAZARDOUS BUILDING MATERIALS: F2.3.1, F2.3.2, F2.3.3

Infernoguard Smoke Doors are manufactured using inert, nontoxic materials.

If required, Infernoguard Smoke Door vision panels, side lights and over panels, glazing complies with NZS 4223.3.

G6 AIRBORNE AND IMPACT SOUND: G6.2

If required, acoustic seals are installed to Infernoguard Smoke Door to STC ratings based on parameters shown on datasheets at <https://soteriadoors.co.nz/product/smoke-rated-interior-doors/#taxonomy>

RELEVANT STANDARDS

NZ4223.3: 2016 Code of practice for glazing in buildings Part 3: Human impact safety requirements

Limitations on the use of the building product:

- Infernoguard Smoke 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.
- Infernoguard Smoke Doors are not suitable for use in saunas, steam rooms, smoke houses etc.
- Infernoguard Smoke Doors are only suitable for use with wall construction types as listed on individual door data sheets.
- Infernoguard Smoke Doors are not suitable where a rating above FRR - /-/-sm is required .
- Inclusion of an Air Ventilation Grille system will eliminate a smoke rating for this doorset.

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

- Infernoguard Smoke Doors are designed for commercial and residential buildings and their associated ancillary and outbuildings.
- Infernoguard Smoke Doors maximum door leaf heights and widths required door leaf thicknesses are stated on the selected door data sheets.
- Door leaf facings options and leaf edge options to be in accordance with options stated 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.
- The selection of hardware is not the responsibility of Soteria Doors, but Soteria Doors makes available a list of commonly specified approved hardware for the 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.

Refer to <https://soteriadoors.co.nz/product/smoke-rated-interior-doors/#taxonomy> for Soteria Doors Smoke Door data sheets.

Installation requirements:

- Infernoguard Fire Doors must be installed in accordance with installation requirements. Refer to <https://soteriadoors.co.nz/product/smoke-rated-interior-doors/#taxonomy>
- Ensure door opening is accurately prepared, overall opening shall not exceed door frame height by 10mm and width by 20mm.
- Door to not be delivered to site until relative humidity levels are acceptable.
Doors manufactured with moisture content 10-12%.
- Prime and seal faces and all four edges immediately following delivery. All apertures and cutouts must also be sealed.
- Install doorset as per instruction delivered with the doors, using all recommended fixings, packing and mastics.
- Soteria Doors issues an installer's declaration with each door set. The installer's declaration is to be completed by the installer and returned, as confirmation of compliance with NZBC C/AS2 C6.1.2. ID Certification tags/labels will then be supplied to ID the doorset.

Maintenance requirements:

- All seals, hinges, stay, rollers, and other hardware should be checked every 3 months for proper fit and operation, and to ensure all screws and fixings remain tight.
- Fire Doors should be checked monthly to ensure door is fully operational and no additions or alterations have been made.

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

No

Date: 11/12/2023