

VISIONEERING FIRE DOOR



PRODUCT NAME

Smoke Control Fire Doors

PRODUCT LINE

Visioneering Fire Doors

Visioneering Fire Doors are available with fire ratings up to and including 120 minutes of integrity and 30 minutes insulation.

PRODUCT IDENTIFIERS

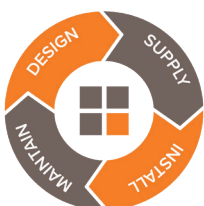
Visioneering -/30/-
Visioneering -/30/30
Visioneering -/60/-
Visioneering -/60/30
Visioneering -/120/-
Visioneering -/120/30

PLACE OF MANUFACTURER

Legal trading name: Smoke Control NZ Ltd
Address of Service: 144D Cryers Road, East Tamaki Auckland 2013
NZBN: 9429034766217
Website: <https://www.smokecontrol.co.nz/>
Email: info@smokecontrol.co.nz

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



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*We believe people deserve to work & live
in safe & beautiful buildings.*



STATEMENT ON HOW THE BUILDING PRODUCT IS EXPECTED TO CONTRIBUTE TO COMPLIANCE

B2.3.1(b)	The Visioneering fire doors can be finished to provide a durability of at least 15 years in all interior applications. Durability is dependent on the product being installed and maintained in accordance with Smoke Control Glazed Screens Operations and Maintenance manual (End user).
C3.6	Radiation flux from Visioneering fire doors and windows is under the 30 kW/m ² required by this clause and is suitable for exterior walls that are within 1 m of the property boundary.
C3.7	The Visioneering 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	Visioneering fire doors are a tested fire door system and can assist with controlling the spread of fire.
C4.3 & C4.5	<p>Visioneering 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.</p> <ul style="list-style-type: none"> • 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 the product being installed and maintained in accordance with Smoke Control Glazed Screens Operations and Maintenance manual (End user) and fitted with compliant hardware as advised by Smoke Control. D1.3.1(b): When correctly specified Visioneering fire doors can be used as entry doors. Limitations may apply.
D1.3.1(c)	Visioneering fire doors can be used within an accessible route where design consideration is given to NZBC D1/AS1 7.0
D1.3.4(f)	Visioneering fire doors can be fitted with handles meeting the requirements of NZBC D1/AS1 7.0.5.
E2.3.2, E2.3.3	The Visioneering 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. ¹ Windows are compliant up to and including the Extra High Wind Zone.
F2.3.1	Visioneering 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 Visioneering fire doors can be fitted with glazing manifestations for visibility. Supply and installation by others.
F2.3.3	When correctly specified, Visioneering sidelights and overlights comply with NZS 4223.3:2016.
G6.2	Visioneering fire doors can be fitted with acoustic seals to aid in the prevention of undue noise transmission.

Note: Some applications listed above may require a Performance Solution to be compliant. Please check with your Certifier prior to specifying this product.

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"¹

NZS 4520:2010 "Fire-resistant doorsets"

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"

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

LIMITATIONS

of the size fire, fire rating supporting structure and other product option as outlined in the product data sheets

DESIGN REQUIREMENTS THAT WOULD SUPPORT THE USE OF THE BUILDING PRODUCT

The Visioneering Doors are designed for compartmentalising buildings to prevent fire and smoke spread and would be applicable where a performance door is needed.

INSTALLATION INSTRUCTIONS

Single Door <https://www.smokecontrol.co.nz/wp-content/uploads/E60I30-VISIONEERING-SINGLE-DOOR-23-06-2022-1.pdf>

Double Door <https://www.smokecontrol.co.nz/wp-content/uploads/E60I30-VISIONEERING-DOUBLE-DOOR-23-06-2022-1.pdf>

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

GENERAL

The following inspection, maintenance, and reporting procedures shall be carried out and recorded in accordance with 7.6, at the intervals specified, by the nominated person. The owner may undertake procedures where noted as permitted, only if they can demonstrate competence to ¹ the independently qualified person (IQP).

Opening, closing, and latching force limits for fire-resistant doorsets shall be maintained throughout the service life of the door unless a service limit is explicitly specified.

7.2 WEEKLY

The following procedures shall be carried out at weekly intervals by the IQP, the owner, or the owner's representative:

- (a) Visually check the doorset for damage to the fabric of the door, self-closing device, or other furniture;
- (b) Ensure the door closes on to the stop (if not a double swing door) and the latch operates and if a double doorset, the sequencer operates correctly; and
- (c) Ensure the door is not held open by any mechanism or object that will prevent the door from closing or functioning in the event of fire (for example wedges, cabin hooks).

7.3 MONTHLY

The following procedures shall be carried out at monthly intervals by the IQP or the owner:

- (a) As for 7.2; and
- (b) Check that labels are in place and not damaged.

4 SIX-MONTHLY

The following procedures shall be carried out at 6-monthly intervals by the IQP:

- (a) As for 7.2 and 7.3;
- (b) Check and adjust the self-closing device to ensure correct operation; and
- (c) Check the records of owner testing.

ANNUALLY

The following procedures shall be carried out annually by the IQP:

- (a) As for 7.2, 7.3, and 7.4;
- (b) *Ensure clearances of the fire doors are maintained in accordance with the tested specimen. These clearances are in relation to the bottom of the door leaf and floor; the gap between the door leaf and jamb. See 5.3 for specific clearance requirements and Appendix C for clearance guidance information; and*
- (c) *Provide a 'Certificate of Compliance', (Form 12A in the Building (Forms) Regulations) for fire separations where all the maintenance described in this section has been completed in accordance with section 110 of the Building Act.*

Appendix C provides further informative guidance on the annual inspection of fire-resistant doorsets for an IQP.

7.6 RECORDS

A written copy of all tests and maintenance shall be made in a form approved by the building consent authority (BCA). A copy of the record shall be retained at a suitable location on the site.

Where test results are recorded electronically a hard copy shall be provided and retained on site. If a hard copy cannot be provided at the time of testing, a copy shall be returned to the site at the time of the next routine testing visit, if not before.