

SS15.5 Smoke Separations



Please provide the following information

Date	
<i>If you need help to complete this form, consult the system provider or an IQP who is registered for the system above</i>	
Applicant Name	Building Name
Site Address	Classified Use
Existing Compliance Schedule Number(s) (if applicable)	Risk/Purpose Group
	Fire Hazard Category
	Total Occupant Load

Specified System Description (address items that apply)

<i>Specified Systems</i>	Existing	New	Modified	Removed
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Type

- Walls forming a protected path in a building
- A smoke stop door
- Smoke resistant lift lobby
- Other

Location Plan for Specified Systems and Records is attached	Yes	No
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No	Equipment Location	Make (main components)	Model
1			
2			
3			
4			
5			
6			
7			
8			
9			

Standards (address items that apply)

Specifically designed solutions do not apply if the system has been installed against a specific Standard(s) / document

Performance / Installation

AS 1530.4:2014 Methods for fire tests on building materials, components and structures Fire-resistance tests for elements of construction.

NZS 4520:2010 Fire resistant door sets

C/AS2 Acceptable Solution for Buildings other than Risk Group SH. 27 Oct 2019. Amd 1. Part 2: Firecells, fire safety systems and fire resistance ratings & Part 4: Control of internal fire and smoke spread.

C/AS2 Acceptable Solution for Buildings other than Risk Group SH. 27 Jun 2019. 1st Ed. Part 2: Firecells, fire safety systems and fire resistance ratings & Part 4: Control of internal fire and smoke spread.

C/AS2 Acceptable Solution for Buildings with Sleeping (non-institutional) (Risk Group SM). 1 Jan 2017. Amd 4. Part 2: Firecells, fire safety systems and fire resistance ratings & Part 4: Control of internal fire and smoke spread.

C/AS3 Acceptable Solution for Buildings Where Care or Detention is Provided (Risk Group SI). 1 Jan 2017. Amd 4. Part 2: Firecells, fire safety systems and fire resistance ratings & Part 4: Control of internal fire and smoke spread.

C/AS4 Acceptable Solution for Buildings with Public Access and Educational Facilities (Risk Group CA) 1 Jan 2017. Amd 4. Part 2: Firecells, fire safety systems and fire resistance ratings & Part 4: Control of internal fire and smoke spread.

C/AS5 Acceptable Solution for Buildings used for Business, Commercial and Low Level Storage (Risk Group WB) 1 Jan 2017. Amd 4. Part 2: Firecells, fire safety systems and fire resistance ratings & Part 4: Control of internal fire and smoke spread.

C/AS6 Acceptable Solution for Buildings used for High Level Storage and Other High Risk Purposes (Risk Group WS) 1 Jan 2017. Amd 4. Part 2: Firecells, fire safety systems and fire resistance ratings & Part 4: Control of internal fire and smoke spread.

C/AS7 Acceptable Solution for Buildings Used for Vehicle Storage and Parking (Risk Group VP) 1 Jan 2017. Amd 4. Part 2: Firecells, fire safety systems and fire resistance ratings & Part 4: Control of internal fire and smoke spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 10 Oct 2011. Amd 9. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 30 Jun 2010. Amd 8. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 1 Nov 2008. Amd 7. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 21 Jun 2007. Amd 6. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 1 Oct 2005. Amd 5. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 4 Jul 2005. Amd 4. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 25 Feb 2004. Amd 3. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 24 Apr 2003. Amd 2. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 6 Jan 2002. Amd 1. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 1 Jul 2001. Errata. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS1 Acceptable Solution for Clauses C1-C4 Fire Safety. 1 Jun 2001. Ver 1. Part 5: Fire Resistance Ratings & Part 6: Control of Internal Fire and Smoke Spread.

C/AS3 Acceptable Solution for Clause C3 Spread of fire. Aug 1994. Amd 2.

C/AS3 Acceptable Solution for Clause C3 Spread of fire. Apr 1994. Erratum

C/AS3 Acceptable Solution for Clause C3 Spread of fire. Dec 1993. 2nd ed Amd 1

C/AS3 Acceptable Solution for Clause C3 Spread of fire. Jul 1992. 1st Published.

Specifically designed solution prepared by a person who, on the basis of experience and qualifications, is competent to do so. (Details provided)

Other

Inspections

C/AS? Year:

NZS 4520:2010 Section 7.

Smoke separation require regular inspection to ensure they prohibit the passage of smoke and in the case of smoke doors, occupants are not prevented from leaving the building in the event of an emergency.

Specifically designed solution prepared by a person who, on the basis of experience and qualifications, is competent to do so. (Details provided)

Other

Maintenance

C/AS? Year:

NZS 4520:2010 Section 7

Responsive maintenance will be carried out to ensure smoke separations prohibit the spread of smoke and in the case smoke doors, occupants are not prevented from leaving the building in the event of an emergency. In particular the remedy of any defect identified in B.3 to B.17.

Specifically designed solution prepared by a person who, on the basis of experience and qualifications, is competent to do so. (Details provided)

Other

Inspections, Maintenance and Reporting (address items that apply)

Minimum inspection & maintenance procedures

Regular inspections and responsive maintenance will be carried out in accordance with the nominated performance and inspection standard/document to ensure smoke separations prohibit the spread of smoke and, in the case of smoke doors, occupants are not prevented from leaving the building in the event of an emergency.

Inspection frequency and responsibility

Depending on the type of installation and its performance standard/document:

Specifically designed solutions: by IQP only

Standard / another document:

Daily by owner

Daily by IQP

Monthly by owner

Monthly by IQP

Six-monthly by owner

Six-monthly by IQP

Annually by IQP

Building requiring daily inspections

CS Purpose Group

CL Purpose Group

CO Purpose Group

CM Purpose Group

Building work affecting final exit

Risk Group CA

Inspections & Maintenance

General requirements:

Signs will be inspected to ensure they are:

- The correct type
- Present and in the right locations
- Legible
- Performing as required e.g., illuminated signs are illuminating

Daily / monthly inspections:

Fire separations that bound exit ways will be visually inspected for:

- Signs of damage or deterioration that could adversely affect their smoke control function, particularly with respect to closures, exposed smoke stopping and surface finish
- New penetrations without suitable smoke stopping
- Doors forming part of an escape route can be opened and are not:
 - Locked
 - Barred
 - Blocked

Six-monthly / annual inspections:

- Doors are not damaged or obstructed
- Door leaves close and latch automatically from any position
- Double acting doors and double leaf doors stop with the leaves in line with the frame and seals (where fitted) are in contact at meeting stile and/or frame
- Smoke control door seals (where fitted) are intact and provide continuous contact
- Door leaves on self-closers shut with an acceptable maximum closing force
- Hardware is securely fixed
- No unauthorised hardware is attached
- Doors in exit ways can be opened without keys to allow ready egress from the building at all times
- Doors or windows are not kept open by methods other than hold-open devices that comply with the Building Code and are in good working order
- Doors haven't been relocated without suitable smoke stopping in the ceiling space

Reporting

The owner will keep records of all inspections, maintenance and repairs undertaken in the previous 24 months. These will be recorded in the on-site log book or electronically, which will remain available with the most recent compliance schedule, and as a minimum include:

- Details of any inspection, test or preventative maintenance carried out, including dates, works undertaken, faults found, remedies applied and the person who performed the work.
- Form 12A provided annually by the IQP.