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Acceptable Solution C/AS2: Buildings with Sleeping (non institutional) (Risk Group SM)

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This resource is no longer current. The current version is [C/AS2 \(First Edition, Amendment 1 \(Errata1 - 22/10/2019\)\)](#)

Abbreviation

C/AS2

Amendment

3

Version

Amendment 3

Valid to

30/05/2017

Valid from

01/07/2014

Information provider

Ministry of Business, Innovation and Employment

Information type

Acceptable Solution

Format

PDF

Cites

[This resource cites 32 documents \(show Citations\)](#)

Description

The Building Code clauses C1 to C6 Protection from Fire relate to protecting people in and around buildings, limiting fire spread and helping firefighting and rescue. This Acceptable Solution can be used for establishing compliance with those clauses for risk group SM. It is one of a suite of Acceptable Solutions C/AS1 to C/AS7, each of them corresponding to a risk group.

Scope

The scope of this Acceptable Solution is restricted to risk group SM. This covers buildings or parts of buildings where people sleep. This will include the following provided they are no more than 20 storeys high (from ground level):

- a) Apartment buildings and other buildings which consist of more than one household unit
- b) Accommodation units within other risk groups
- c) Hotel, motel and serviced apartment buildings
- d) Backpackers, cabins on holiday parks
- e) Buildings where more than 5 people pay for accommodation (such as homestay/ bed and breakfast)
- f) University halls of residence, education accommodation (eg, school boarding hostels), and
- g) Wharenui and other community sleeping spaces.

- h) Sheltered housing such as refuges, reintegration for prisoners, homeless shelters etc.

Previous versions:

[C/AS2 \(Amendment 2\)](#)
[C/AS2 \(Amendment 1, Errata 1\)](#)
[C/AS2 \(First Edition\)](#)

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This document CITES:

New Zealand Standards

- [AS/NZS 1668.1:1998](#)

C/AS2 cites AS/NZS 1668.1:1998 The use of ventilation and air conditioning in buildings - Fire and smoke control in multi-compartment buildings from 10/04/2012

- [AS/NZS 2918:2001](#)

C/AS2 cites AS/NZS 2918:2001 Domestic solid fuel burning appliances - Installation from 10/04/2012

- [AS/NZS 5601.1:2010](#)

C/AS2 cites AS/NZS 5601.1:2010 Gas installations - Part 1: General installations from 19/12/2013

- [AS/NZS 60598.2.2:2001](#)

C/AS2 cites AS/NZS 60598.2.2:2001 Luminaires - Particular requirements - Recessed luminaires from 10/04/2012

- [NZS 4232.2:1988](#)

C/AS2 cites NZS 4232.2:1988 Performance criteria for fire resisting enclosures - Fire resisting glazing systems from 10/04/2012

- [NZS 4332:1997](#)

C/AS2 cites NZS 4332:1997 Non-domestic passenger and goods lifts from 10/04/2012

- [NZS 4510:2008](#)

C/AS2 cites NZS 4510:2008 Fire hydrant systems for buildings from 10/04/2012

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- [NZS 4514:2009](#)

C/AS2 cites NZS 4514:2009 Interconnected smoke alarms for houses from 10/04/2012

- [NZS 4515:2009](#)

C/AS2 cites NZS 4515:2009 Fire sprinkler systems for life safety in sleeping occupancies (up to 2000 square metres) from 10/04/2012

- [NZS 4520:2010](#)

C/AS2 cites NZS 4520:2010 Fire resistant doorsets from 10/04/2012

- [NZS 4541:2013](#)

C/AS2 cites NZS 4541:2013 Automatic fire sprinkler systems from 19/12/2013

- [NZS/AS 1530.1:1994 \(R2016\)](#)

C/AS2 cites NZS/AS 1530.1:1994 (R2016) Methods for fire tests on building materials, components and structures - Part 1: Combustibility test for materials from 10/04/2012

- [NZS/BS 476.21:1987](#)

C/AS2 cites NZS/BS 476.21:1987 Fire tests on building materials and structures - Methods for determination of the fire resistance of loadbearing elements of construction from 10/04/2012

- [NZS/BS 476.22:1987](#)

C/AS2 cites NZS/BS 476.22:1987 Fire tests on building materials and structures -Methods for determination of the fire resistance of non-loadbearing elements of construction from 10/04/2012

Australian Standards

- [AS 1366.1-1992 \(Reconfirmed in 2018\)](#)

C/AS2 cites AS 1366.1-1992 (R2018) Rigid cellular plastics sheets for thermal insulation - Rigid cellular polyurethane (RC/PUR) from 10/04/2012

- [AS 1366.2-1992 \(Reconfirmed in 2018\)](#)

C/AS2 cites AS 1366.2-1992 (R2018) Rigid cellular plastics sheets for thermal insulation - Rigid cellular polyisocyanurate (RC/PIR) from 10/04/2012

- [AS 1366.3-1992 \(Reconfirmed in 2018\)](#)

C/AS2 cites AS 1366.3-1992 (R2018) Rigid cellular plastics sheets for thermal insulation - Rigid cellular polystyrene - moulded (RC/PS-M) from 10/04/2012

- [AS 1366.4-1989 \(Reconfirmed in 2018\)](#)

C/AS2 cites AS 1366.4-1989 (R2018) Rigid cellular plastics sheets for thermal insulation - Rigid cellular polystyrene - extruded (RC/PS-E) from 10/04/2012

- [AS 1530.2-1993 \(R2016\)](#)

C/AS2 cites AS 1530.2-1993 (R2016) Methods for fire tests on building materials, components and structures. Part 2: Test for flammability of materials from 10/04/2012

- [AS 1530.4-2005](#)

C/AS2 cites AS 1530.4-2005 Methods for fire tests on building materials, components and structures. Part 4: Fire-resistance test of elements of construction from 10/04/2012

- [AS 1691-1985](#)

C/AS2 cites AS 1691-1985 Domestic oil-fired appliances - installation from 10/04/2012

- [AS 4072.1-2005 \(R2016\)](#)

C/AS2 cites AS 4072.1-2005 (R2016) Components for the protection of openings in fire-resistant separating elements. Part 1: Service penetrations and control joints from 10/04/2012

Other

- [ASTM D2898-10](#)

C/AS2 cites ASTM D2898-10 Standard Practice for Accelerated Weathering of Fire-retardant Treated Wood for Fire Testing from 10/04/2012

- [BS EN 12101-1:2005](#)

C/AS2 cites BS EN 12101-1:2005 Smoke and heat control systems - Specification for smoke barriers from 10/04/2012

- [HSNO 1996 No 30](#)

C/AS2 cites Hazardous Substances and New Organisms Act 1996 from 10/04/2012

- [ISO 5660-1:2002](#)

C/AS2 cites ISO 5660-1:2002 Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Heat release rate (cone calorimeter method) 10/04/2012 from 15/02/2013

- [ISO 5660-2:2002](#)

C/AS2 cites ISO 5660-2:2002 Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Smoke production rate (dynamic measurement) from 15/02/2013

- [ISO 9239:1:2010](#)

C/AS2 cites ISO 9239-1:2010 Reaction to fire tests for floorings - Determination of the burning behaviour using a radiant heat source from 10/04/2012

- [ISO 9705:1993](#)

C/AS2 cites ISO 9705:1993 Fire tests - Full scale room test for surface products from 15/02/2013

- [NFPA 285:1998](#)

C/AS2 cites NFPA 285: 1998 Standard method of test for the evaluation of flammability characteristics of exterior non-load-bearing wall assemblies containing components using the intermediate scale, multi-storey test apparatus from 10/04/2012

- [SR 2006/123](#)

C/AS2 cites Fire Safety and Evacuation of Buildings Regulations 2006 from 10/04/2012

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