

## C4 Movement to a place of safety

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### **Fire warnings, visibility of escape routes (smoke obscuration), automatic fire sprinkler systems, means of escape.**

This clause sets requirements for warning systems and the provision of visible escape routes complying with F6 for movement to a place of safety.

It sets conditions for evacuation time in relation to carbon monoxide levels, thermal effects and smoke obscuration - even in the event a fire safety system fails. It also has provisions about automatic fire sprinkler systems.

C1 provides objectives for each of the C clauses.

Most of the guidance applies to all of the C clauses and some relates to a specific clause.

There may be specific products and determinations under each code clause.

The 2019 1st edition of C/AS2 combining C/AS2–C/AS7 is summarised in this [fact sheet \(https://www.building.govt.nz/building-code-compliance/c-protection-from-fire/c-clauses-c1-c6/fact-sheet-for-the-first-edition-2019-fire-acceptable-solution-cas2/\)](https://www.building.govt.nz/building-code-compliance/c-protection-from-fire/c-clauses-c1-c6/fact-sheet-for-the-first-edition-2019-fire-acceptable-solution-cas2/).

[Record of amendments \(https://www.building.govt.nz/building-code-compliance/how-the-building-code-works/different-ways-to-comply/acceptable-solutions-and-verification-methods/record-of-amendments/\)](https://www.building.govt.nz/building-code-compliance/how-the-building-code-works/different-ways-to-comply/acceptable-solutions-and-verification-methods/record-of-amendments/) is a record of changes to the Acceptable Solutions, Verification Methods and handbooks.

## Updates

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## Updates to the Building Code will make it easier to comply

27 JUNE 2019

Updates to the Building Code will be published on 27 June 2019 following MBIE's public consultation and analysis of submissions.

[\(https://www.building.govt.nz/about-building-performance/news-and-updates/all-news-and-updates/updates-to-the-building-code-will-make-it-easier-to-comply/\)](https://www.building.govt.nz/about-building-performance/news-and-updates/all-news-and-updates/updates-to-the-building-code-will-make-it-easier-to-comply/)

[\(https://www.building.govt.nz/about-building-performance/news-and-updates/all-news-and-updates/corrections-to-2019-cas2-acceptable-solution/\)](https://www.building.govt.nz/about-building-performance/news-and-updates/all-news-and-updates/corrections-to-2019-cas2-acceptable-solution/)

### Corrections to 2019 C/AS2 Acceptable Solution

25 OCTOBER 2019

Three immediate corrections to the 2019 C/AS2 Acceptable Solution are being made with effect from 31 October 2019.

[\(https://www.building.govt.nz/about-building-performance/news-and-updates/all-news-and-updates/corrections-to-2019-cas2-acceptable-solution/\)](https://www.building.govt.nz/about-building-performance/news-and-updates/all-news-and-updates/corrections-to-2019-cas2-acceptable-solution/)

View all related news and updates  [\(https://www.building.govt.nz/search/?bcc%5B%5D=c4-movement-to-a-place-of-safety&area=news-and-updates&show=all&action\\_doSearch=Search&sort=recent#results\)](https://www.building.govt.nz/search/?bcc%5B%5D=c4-movement-to-a-place-of-safety&area=news-and-updates&show=all&action_doSearch=Search&sort=recent#results)

## Acceptable Solutions and Verification Methods

### Current version

These are issued by MBIE to provide one way of complying with the Building Code and must be accepted by BCAs as demonstrating compliance with the related clauses of the Building Code. Using them is not mandatory.

#### **C/AS2, 1st edition 2019**

[PDF 6.7 MB]

Effective from 27 June 2019 (<https://www.building.govt.nz/assets/Uploads/building-code-compliance/c-protection-from-fire/asvm/cas2-protection-from-fire-1st-edition-2019.pdf>)

#### **Clauses C1–C6 and Clause A3 Building importance levels**

[PDF 538 KB]

Effective from 1 July 2014 (<https://www.building.govt.nz/assets/Uploads/building-code-compliance/c-protection-from-fire/asvm/c1-c6-protection-from-fire-a3.pdf>)

#### **C/VM1 & C/AS1, amendment 4**

[PDF 1 MB]

Effective from 1 January 2017 (<https://www.building.govt.nz/assets/Uploads/building-code-compliance/c-protection-from-fire/asvm/cvm1-cas1-protection-from-fire-amendment-4.pdf>)

[C/VM1 & C/AS1, amendment 4 replacement pages](#)

[PDF 675 KB]

(<https://www.building.govt.nz/assets/Uploads/cvm1-cas1-protection-from-fire-amendment-4-rp.pdf>)

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### **C/VM2, amendment 5**

[PDF 1 MB]

Effective from 24 November 2017 (<https://www.building.govt.nz/assets/Uploads/building-code-compliance/c-protection-from-fire/asvm/cvm2-protection-from-fire-amendment-5.pdf>)

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### **C/VM2, amendment 5 replacement pages**

[PDF 616 KB]

(<https://www.building.govt.nz/assets/Uploads/cvm2-protection-from-fire-amendment5-rp.pdf>)

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Acceptable Solutions and Verification Methods (<https://www.building.govt.nz/building-code-compliance/how-the-building-code-works/different-ways-to-comply/acceptable-solutions-and-verification-methods/>) (AS and VMs) were called compliance documents. Some still have the "compliance document" title but the AS or VMs they contain are valid and unaffected by the name change.

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Version history (<https://www.building.govt.nz/building-code-compliance/c-protection-from-fire/c-clauses-c1-c6/acceptable-solutions-and-verification-methods/>)

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## Standards

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Standards are frequently referred to in Acceptable Solutions and Verification Methods. They provide practical information and guidelines for building solutions.

Over 120 building standards used for Building Code compliance are now available for free download.

See the free standards relating to Code Clause C4 (<https://www.standards.govt.nz/sponsored-standards/building-standards/?buildingcode=C4>).

All standards, including the funded ones, can be accessed through the Standards New Zealand website (<https://www.standards.govt.nz/>).

## Guidance

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These documents are provided to assist Building Consent Authorities, building owners, designers and persons who carry out building work.

### **Fire performance of external wall cladding systems**

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Significant high-rise fire events globally have increased our understanding of how fire spreads externally and within modern facade construction. This has prompted MBIE to review the current methods used to demonstrate compliance of external wall cladding systems with building regulations' fire safety objectives. In particular, how New Zealand requirements should be interpreted and whether international alternative fire test and evaluation methods are suitable for use here.

(<https://www.building.govt.nz/building-code-compliance/c-protection-from-fire/c-clauses-c1-c6/fire-performance-of-external-wall-cladding-systems/>)

### **Alternative solutions for Building Code clause C Protection from Fire**

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Develop alternative solutions for complying with Building Code clauses C1-C6 Protection from Fire.

(<https://www.building.govt.nz/building-code-compliance/c-protection-from-fire/c-clauses-c1-c6/alternative-solutions-building-code-c-protection-fire/>)

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View all related guidance ([https://www.building.govt.nz/search/?bcc%5B%5D=c4-movement-to-a-place-of-safety&area=guidance&show=all&action\\_doSearch=Search&sort=recent#results](https://www.building.govt.nz/search/?bcc%5B%5D=c4-movement-to-a-place-of-safety&area=guidance&show=all&action_doSearch=Search&sort=recent#results))

## Related Determinations

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A determination is a binding decision made by the Ministry of Business, Innovation and Employment. It provides a way of solving disputes or questions about the rules that apply to buildings, how buildings are used, building accessibility, health and safety.

### 2019/062: Regarding the means of escape from fire from a new dwelling located behind an existing dwelling

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This determination concerns a new dwelling constructed at the rear of a site with an existing dwelling, and compliance of the new dwelling in relation to movement to a place of safety in the event of a fire. The matter at issue is whether the escape route to a safe place for the occupants of the rear dwelling required a protected path past the existing dwelling.

(<https://www.building.govt.nz/resolving-problems/resolution-options/determinations/determinations-issued/determination-2019-062/>)

### 2019/046: Regarding dangerous building notices issued for a building

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This determination considers two dangerous building notices that were issued for a six-storey building in central Auckland. The various levels of the building are fitted out for retail, offices, and sleeping accommodation. The determination considers the authority's decision to the second dangerous building notice restricting entry to part of the building, which meant part of the building could not be used for sleeping accommodation, and the authority's decision to reissue that notice after thirty days.

(<https://www.building.govt.nz/resolving-problems/resolution-options/determinations/determinations-issued/determination-2019-046/>)

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View 42 Determinations related to C4 Movement to a place of safety ([https://www.building.govt.nz/resolving-problems/resolution-options/determinations/determinations-issued/?bcc%5B%5D=c4-movement-to-a-place-of-safety&action\\_doSearch=Search#results](https://www.building.govt.nz/resolving-problems/resolution-options/determinations/determinations-issued/?bcc%5B%5D=c4-movement-to-a-place-of-safety&action_doSearch=Search#results))

## Related building products

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Product certification is a voluntary scheme that provides an easily-understood and robust way to show that a building product or system meets the requirements of the New Zealand Building Code.

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View 1 certified building product associated with C4 Movement to a place of safety ([https://www.building.govt.nz/building-code-compliance/product-assurance-and-multiproof/codemark/product-certificate-register/?&bcc%5B%5D=c4-movement-to-a-place-of-safety&action\\_doSearch=Search#results](https://www.building.govt.nz/building-code-compliance/product-assurance-and-multiproof/codemark/product-certificate-register/?&bcc%5B%5D=c4-movement-to-a-place-of-safety&action_doSearch=Search#results))