

Please find enclosed Amendment 11, effective 27 June 2019 to the Acceptable Solution and Verification Method for Clause B2 Durability of the New Zealand Building Code. The previous amendment to the B2 Acceptable Solutions and Verification Methods (Amendment 10) was in November 2018.

Section	Previous amendment	June 2019 Amendment 11
Title pages	Remove title page and document status and history pages 1–2B	Replace with new title page and document status and history pages 1–2B
References	Remove page 7/8	Replace with new page 7/8
B2/AS1	Remove page 15F/16	Replace with new page 15F/16
Index	Remove page 23/24	Replace with new page 23/24



**MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT**
HĪKINA WHAKATUTUKI

Acceptable Solutions and Verification Methods

For New Zealand Building Code Clause
B2 Durability



Status of Verification Methods and Acceptable Solutions

Verification Methods and Acceptable Solutions are prepared by the Ministry of Business, Innovation and Employment in accordance with section 22 of the Building Act 2004. Verification Methods and Acceptable Solutions are for use in establishing compliance with the New Zealand Building Code.

A person who complies with a Verification Method or Acceptable Solution will be treated as having complied with the provisions of the Building Code to which the Verification Method or Acceptable Solution relates. However, using a Verification Method or Acceptable Solution is only one method of complying with the Building Code. There may be alternative ways to comply.

Defined words (italicised in the text) and classified uses are explained in Clauses A1 and A2 of the Building Code and in the Definitions at the start of this document.

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**Verification Methods and Acceptable Solutions
are available from www.building.govt.nz**

New Zealand Government

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Document Status

The most recent version of this document (Amendment 11), as detailed in the Document History, is approved by the Chief Executive of the Ministry of Business, Innovation and Employment. It is effective from 27 June 2019 and supersedes all previous versions of this document.

The previous version of this document (Amendment 10) will cease to have effect on 31 October 2019.

People using this document should check for amendments on a regular basis. The Ministry of Business, Innovation and Employment may amend any part of any Verification Method or Acceptable Solution at any time. Up-to-date versions of Verification Methods and Acceptable Solutions are available from www.building.govt.nz

B2: Document History			
	Date	Alterations	
First published	July 1992		
Amendment 1	September 1993	p. 3, Table 1	
Second Edition	28 February 1998	Document revised – second edition issued	
Amendment 2	1 December 2000	p. ii, Document History p. v, Contents p. vi, References	p. 5, 3.2.2, 3.3, 3.4 p. 9, Index
Amendment 3	1 July 2001	p. 2, Document History, Status p. 7, References	p. 8, 5.0.1
Amendment 4	1 April 2004	p. 2, Document History p. 7, References pp. 9–10, Definitions	p. 15, 3.2.1 Comment pp. 17–22 Table 1 p. 23 Index
Amendment 5	1 April 2004	p. 7, References p. 9, Definitions	p. 15, 3.2.1, 3.2.2, 3.2.3
Amendment 5 regarding timber treatment is subject to a transitional provision.			
Reprinted incorporating Amendments 3, 4 and 5	April 2004		
Amendment 6	Effective 30 September 2010 until 1 July 2011	p. 2, Document History, Status p. 5, Contents p. 7, References	pp. 9–10, Definitions pp. 13–15, B2/AS1 1.1, 3.1.1, 3.2.1, 3.2.2
Reprinted incorporating Amendment 6	30 June 2010		
Amendment 7	Effective 4 April 2011 until 14 August 2014	p. 2, Document History, Status p. 5, Contents	p. 7, References pp. 15–15F, 3.2.1, 3.2.2, 3.2.3
Amendment 8	14 February 2014 until 30 May 2017	p. 2A, Document History, Status p. 5, Contents p. 7, References	p. 9, Definitions pp. 13, 15, 15D–15F B2/AS1 3.2, 3.2.2, 3.2.2.3, 3.2.3, 3.2.3.1, 3.2.3.2,
Amendment 9	Effective 1 January 2017 until 31 March 2019	p. 5 Contents p. 7 References	p. 15F B2/AS1 3.5 p. 23 Index
Amendment 10	Effective from 30 November 2018 until 31 October 2019	p. 5 Contents p. 7 References	p. 15F B2/AS1 3.6 p. 23 Index
Amendment 11	Effective 27 June 2019	p. 7 References p. 15F B2/AS1 3.6.2, 3.6.3	p. 23 Index
Note: Page numbers relate to the document at the time of Amendment and may not match page numbers in current document.			

References

For the purposes of New Zealand Building Code (NZBC) compliance, the Standards and documents referenced in this Verification Method and Acceptable Solution (primary reference documents) must be the editions, along with their specific amendments, listed below. Where these primary reference documents refer to other Standards or documents (secondary reference documents), which in turn may also refer to other Standards or documents, and so on (lower-order reference documents), then the version in effect at the date of publication of this Verification Method and Acceptable Solution must be used.

Amend 7
Apr 2011Amend 6
Sep 2010

Standards New Zealand

NZS 3101:- Concrete structures standard
Part 1: 2006 The design of concrete structures
Amend: 1, 2

Amend 10
Nov 2018

SNZ TS 3404: 2018 Durability requirements for steel structures and components

Amend 7
Apr 2011

NZS 3602:-

Amend 5
Apr 2004

Part 1: 2003 Timber and wood-based products for use in building

Amend 5
Apr 2004Amend 3
Jul 2001

NZS 3604: 2011 Timber framed buildings

Amends
2 and 8Amends
7 and 8

NZS 3640: 2003 Chemical Preservation of round and sawn timber
Amend: 1, 2, 3, 4, 5

Amend 9
Jan 2017

NZS 4223: Glazing in buildings
Part 2: 2016 Insulating glass units

Amend 5
Apr 2004Amend 6
Sep 2010

NZS 4251:- Solid plastering
Part 1: 2007 Cement plaster for walls, ceilings and soffits

Amend 2
Dec 2000

NZS 4297: 1998 Engineering design for earth buildings

NZS 4299: 1998 Earth buildings not requiring specific design
Amend: 1

New Zealand publications

Amend 11
Jun 2019

NASH Standard Part 2: May 2019 Light Steel Framed Buildings

Where Quoted

AS1 3.1.1

AS1 3.6

AS1 3.2.1, 3.2.2

AS1 3.2.3

AS1 3.2.1, 3.2.2.1,
3.2.3

AS1 3.5

AS1 3.3.1

AS1 3.4.1

AS1 3.4.1

AS1 3.6.2, 3.6.3

Amends
7 and 8**3.3 Solid plastering**

3.3.1 NZS 4251: Part 1 is an acceptable solution for meeting the durability requirements of cement plasters for walls, ceilings and soffits within its scope.

3.4 Earth buildings

3.4.1 NZS 4297 and NZS 4299 are acceptable solutions for meeting the durability requirements of earth *buildings* within their scope.

Amend 2
Dec 2000**3.5 Insulating Glass Units**

3.5.1 NZS 4223.2 is an Acceptable Solution for meeting the durability requirements of insulating glass units, within its scope.

3.5.2 Modifications to NZS 4223.2

Delete clause 5.3.

Replace with

“5.3 Marking

Insulating glass units shall be permanently and clearly marked. As a minimum, marking shall include the following:

- (a) The name or registered trademark of the manufacturer or supplier;
- (b) The date of manufacture (use the year as the minimum), and
- (c) Complies with NZS 4223.2:2016.

Marking shall be visible after the IGU has been installed, and must be legible and durable for the life of the unit.

Amend 9
Jan 2017

NOTE -

(1) Etching and permanent laser marking are acceptable means for marking insulating glass units. Externally affixed adhesive labels are not acceptable.

(2) Additional marking may be used by the manufacturer.”

Amend 9
Jan 2017**3.6 Steel**

3.6.1 SNZ TS 3404: SNZ TS 3404 is an Acceptable Solution for meeting the durability requirements of steel *building elements* within its scope.

Amend 10
Nov 2018**3.6.2 Light steel framing**

Clause 3 of NASH Standard Part 2 as modified by Paragraph 3.6.3 is an Acceptable Solution for meeting the *durability* requirements of light steel framing *building elements* used within the Standard's scope.

3.6.3 Modifications to NASH Standard Part 2

Delete clause 3.1.

Replace with:

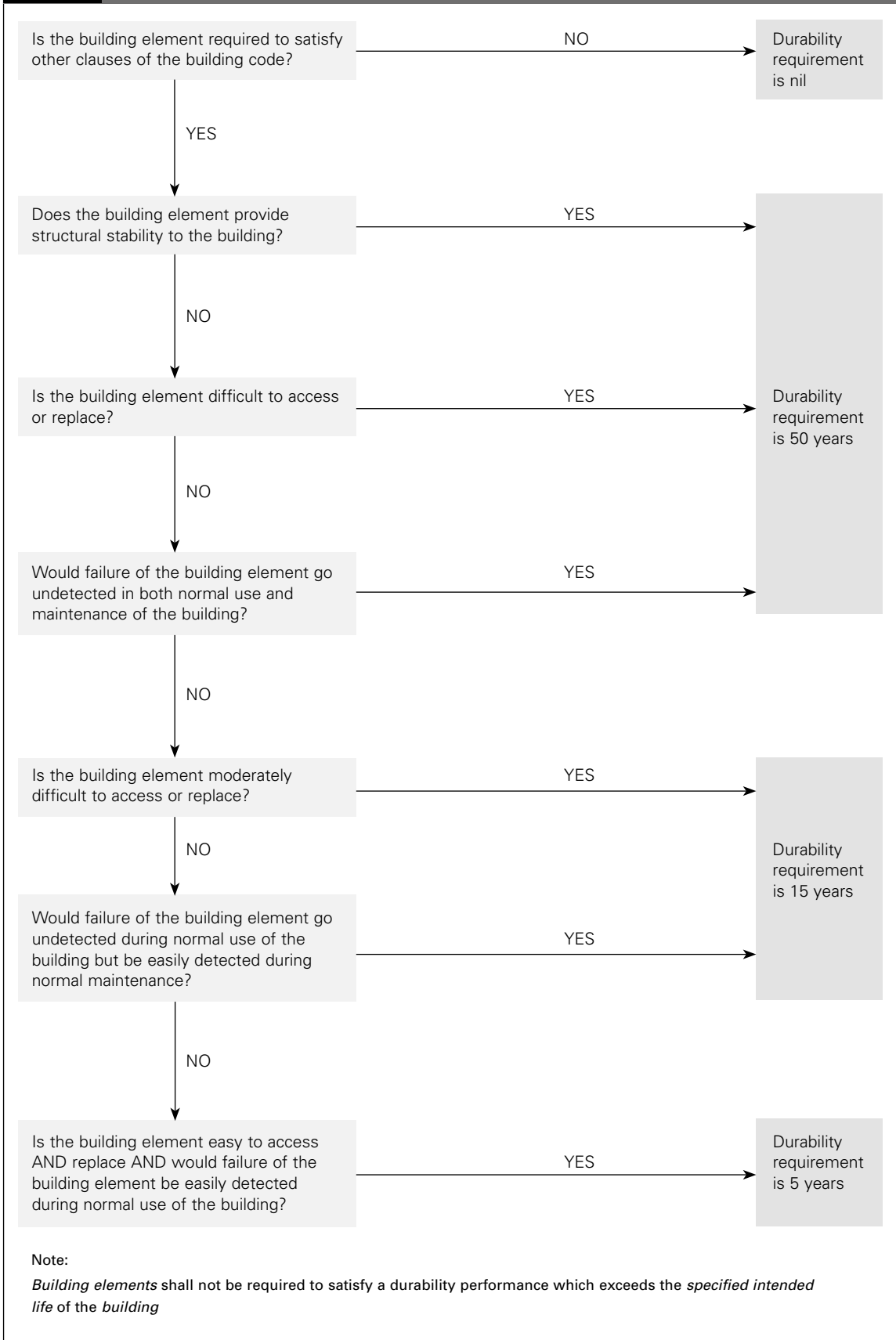
3.1 GENERAL

Steel framing, brackets and fixings used for wall framing, roof framing, and mid floors shall be within a closed building envelope that provides at least the same level of performance as a building envelope that conforms to Acceptable Solution E2AS1.

Eaves shall be lined.

Amend 11
Jun 2019

Figure 1: Assessment of Durability Requirement
Paragraph 1.2.2



Index B2/VM1 & AS1

All references to Verification Methods and Acceptable Solutions are preceded by **VM** or **AS** respectively.

	Concrete	AS1 3.1.1
	Durability evaluation	VM1 1.0, AS1 1.2, Figure 1
Amend 4 Apr 2004	examples of requirement	AS1 1.3.1, Table 1
	generic materials	AS1 3.0
	in-service history	VM1 1.1
	laboratory testing	VM1 1.2
	similar materials	VM1 1.3
Amend 2 Dec 2000	Earth buildings	AS1 3.4
	Ease of access and replacement	AS1 1.2.1
Amend 9 Jan 2017	Insulating Glass Units	AS1 3.5
	Maintenance	AS1 2.0
	normal	AS1 2.1
	scheduled	AS1 2.2
Amend 2 Dec 2000	Solid plastering	AS1 3.3
Amend 10 Nov 2018	Steel	AS1 3.6
Amend 11 Jun 2019	Light steel framing	AS1 3.6.2, 3.6.3
	Timber	AS1 3.2

