

Dear Customer

Please find enclosed Amendment 6, effective 1 January 2017, to the Acceptable Solution and Verification Method for Clause G14 Industrial Liquid Waste of the New Zealand Building Code. The previous amendment to G14 (Amendment 5) was in February 2014.

Section	Old G14	January 2017 Amendment 6
Title pages	Remove title page and document history page 1–2B	Replace with new title page and document history pages 1–2B
References	Remove pages 7/8	Replace with new pages 7/8



MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT
HĪKINA WHAKATUTUKI

Acceptable Solutions and Verification Methods

For New Zealand Building Code Clause
G14 Industrial Liquid Waste

G14
BUILDING CODE

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.

Users should make themselves familiar with the preface to the New Zealand Building Code Handbook, which describes the status of Verification Methods and Acceptable Solutions and explains alternative methods of achieving compliance.

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.

Enquiries about the content of this document should be directed to:



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

Ministry of Business, Innovation and Employment
PO Box 1473, Wellington 6140
Telephone 0800 242 243
Email: info@building.govt.nz

**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 6), as detailed in the Document History, is approved by the Chief Executive of the Ministry of Business, Innovation and Employment. It is effective from 1 January 2017 and supersedes all previous versions of this document.

The previous version of this document (Amendment 5) will cease to have effect on 30 May 2017.

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

G14: Document History			
	Date	Alterations	
First published	July 1992		
Amendment 1	September 1993	pp. vi – viii, References	
Amendment 2	1 December 1995	pp. i and ii, Document History	p. iv, G14.3.2 (d)
Second edition	21 June 2007	Document revised – second edition issued	
Amendment 3	Published 30 June 2010 Effective from 30 September 2010	p. 2, Document History, Status pp. 7–9, References	p. 19, G14/VM1 Table 3 p. 22, G14/VM1 Table 4
Amendment 4	Effective from 10 October 2011 until 14 August 2014	p. 2, Document History, Status p. 11, Definitions	pp. 7–9, References p. 19, G14/VM1 Table 3
Amendment 5	14 February 2014 until 30 May 2017	p. 2A, Document History, Status p. 5, Contents p. 7, References p. 11, Definitions	pp. 16–17, G14/VM1 1.3, 1.4, 1.6.2, Table 2 p. 25, G14/AS1 1.2.1, 1.2.2
Amendment 6	Effective from 1 January 2017	pp. 7, 8 References	
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 these Verification Methods and Acceptable Solutions (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 these Verification Methods and Acceptable Solutions must be used.

Amend 5
Feb 2014Amend 4
Oct 2011Amend 5
Feb 2014

Standards New Zealand

NZS/BS 21: 1985 Specification for pipe threads for tubes and fittings where pressure-tight joints are made on the threads (metric dimensions)
Amend: 1

Where quoted

VM1 Table 3

Amend 3
Sep 2010

NZS/BS 1387: 1985 Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe threads
Amend: 1

VM1 Table 3

Amend 3
Sep 2010

NZS 3106: 2009 Design of concrete structures for the storage of liquids.

VM1 3.2.2, Table 4

Amend 5
Feb 2014

NZS 4219: 2009 Seismic performance of engineering systems in buildings.

VM1 3.2.1

NZS 4442: 1988 Welded steel pipes and fittings for water, sewage and medium pressure gas

VM1 Table 3

NZS 7601: 1978 Specification for polyethylene pipe (Type 3) for cold water services

VM1 Table 3

Amend 3
Sep 2010

Standards Australia/Standards New Zealand

Amend 4
Oct 2011

AS/NZS 1260: 2009 PVC-U pipes and fittings for drain, waste and vent applications
Amends: 1, 2

VM1 Table 3

Amends
5 & 6Amend 4
Oct 2011

AS/NZS 1477: 2006 PVC pipes and fittings for pressure applications
Amend: 1

VM1 Table 3

Amend 4
Oct 2011

AS/NZS 1546: On-site domestic wastewater treatment units
Part 1: 2008 Septic tanks

VM1 Table 4

Amend 3
Sep 2010
Amend 6
Jan 2017

AS/NZS 2032: 2006 Installation of PVC pipe systems
Amend: 1

VM1 Table 3

Amend 3
Sep 2010
Amend 4
Oct 2011

AS/NZS 2033: 2008 Installation of polyethylene pipe systems
Amends: 1, 2

VM1 Table 3

Amend 4
Oct 2011

AS/NZS 2642: Polybutylene pipe systems
Part 2: 2008 Polybutylene (PB) for hot and cold water applications
Part 3: 2008 Mechanical jointing fittings for polybutylene pipes for hot and cold water applications
Amend: 1

VM1 Table 3

Amend 4
Oct 2011

		Where quoted
Amend 6 Jan 2017	AS/NZS 3518: 2013 Acrylonitrile butadiene styrene (ABS) compounds, pipes and fittings for pressure applications	VM1 Table 3
Amend 3 Sep 2010	AS/NZS 4058: 2007 Pre Cast concrete Pipes (pressure and non pressure)	VM1 Table 1
Amend 4 Oct 2011	AS/NZS 4129: 2008 Fittings for polyethylene (PE) pipes for pressure applications	VM1 Table 3
Amend 6 Jan 2017	<i>Amend: 1</i>	
Amend 4 Oct 2011	AS/NZS 4130: 2009 Polyethylene (PE) pipes for pressure applications <i>Amend: 1</i>	VM1 Table 3
	AS/NZS 4331: 1995 Metallic flanges Part 1: Steel flanges Part 2: Cast iron flanges Part 3: Copper alloy and composite flanges	VM1 Table 3
Amend 3 Sep 2010	AS/NZS 4401: 2006 High density polyethylene (PE-HD) pipes and fittings for soil and waste discharge (low and high temperature) systems inside buildings	VM1 Table 3
Amend 3 Sep 2010	AS/NZS 4765: 2007 Modified polyvinyl chloride (PVC-M) pipes for pressure applications	VM1 Table 3
	British Standards Institution	
Amend 3 Sep 2010	BS 143, and BS 1256: 2000 Specification for malleable cast iron and cast copper alloy threaded pipe fittings. <i>Amend: 1, 2, 3, 4</i>	VM1 Table 3
	BS EN 1595: 1997 Pressure equipment made from borosilicate glass 3.3 – general rules for design, manufacture and testing	VM1 Table 3
Amend 3 Sep 2010		
Amend 4 Oct 2011		
Amend 3 Sep 2010	BS 2971: 1991 Specification for Class II arc welding of carbon steel pipework for carrying fluids	VM1 Table 3
	BS 4991: 1974 (1982) Specification for propylene copolymer pressure pipe	VM1 Table 3
Amend 3 Sep 2010	BS 6374:– Lining of equipment with polymeric materials for the process industries Part 1: 1985 Specification for lining with sheet thermoplastics Part 2: 1984 Specification for lining with non-sheet applied thermoplastics Part 3: 1984 Specification for lining with stoved thermosetting resins Part 4: 1984 Specification for lining with cold curing thermosetting resins Part 5: 1985 Specification for lining with rubbers	VM1 Table 4