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Acceptable Solution G12/AS1: Water Supplies

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Abbreviation

G12/AS1

Amendment

11

Version

Third Edition, Amendment 11

Valid to

31/10/2019

Valid from

30/11/2018

Information provider

Ministry of Business, Innovation and Employment

Information type

Acceptable Solution

Format

PDF

Cites

[This resource cites 48 documents \(show Citations\)](#)

Description

Acceptable Solution G12/AS1 provides a means of compliance with Building Code Clause G12 Water Supplies. G12 requires the safe supply, storage, reticulation and delivery of hot and cold water.

This clause requires buildings provided with water outlets, sanitary fixtures or sanitary appliances to have safe and adequate water supplies (including where hot water is necessary).

It sets out requirements to avoid scalding, injury, leaks, contamination, illness and the prevention of legionella growth.

Scope

This Acceptable Solution applies to below ground and above ground piped water supply systems.

Previous versions:

[G12/AS1 \(Third Edition, Amendment 10\)](#)

[G12/AS1 \(Third Edition, Amendment 9\)](#)

[G12/AS1 \(Third Edition, Amendment 8\)](#)

[G12/AS1 \(Third Edition, Amendment 7\)](#)

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Notes/comments

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[G12/AS1 Amendment 10 Third Edition, Amendment 10](#)

[G12/AS1 Amendment 9 Third Edition, Amendment 9](#)

[G12/AS1 Amendment 8 Third Edition, Amendment 8](#)

[G12/AS1 Amendment 7 Third Edition, Amendment 7](#)

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Description

Acceptable Solution G12/AS1 provides a means of compliance with Building Code Clause G12 Water Supplies. G12 requires the safe supply, storage, reticulation and delivery of hot and cold water.

This clause requires buildings provided with water outlets, sanitary fixtures or sanitary appliances to have safe and adequate water supplies (including where hot water is necessary).

It sets out requirements to avoid scalding, injury, leaks, contamination, illness and the prevention of legionella growth.

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Description

Acceptable Solution G12/AS1 provides a means of compliance with Building Code Clause G12 Water Supplies. G12 requires the safe supply, storage, reticulation and delivery of hot and cold water.

This clause requires buildings provided with water outlets, sanitary fixtures or sanitary appliances to have safe and adequate water supplies (including where hot water is necessary).

It sets out requirements to avoid scalding, injury, leaks, contamination, illness and the prevention of legionella growth.

This resource cites:

Acceptable Solution G12/AS1: Water Supplies

This document CITES:

New Zealand Standards

- [AS/NZS 1477:2006](#)

G12/AS1 cites AS/NZS 1477:2006 PVC pipes and fittings for pressure applications from 30/09/2010

- [AS/NZS 2032:2006](#)

G12/AS1 cites AS/NZS 2032:2006 Installation of PVC pipe systems from 30/09/2010

- [AS/NZS 2642.1:2007](#)

G12/AS1 cites AS/NZS 2642.1:2007 Polybutylene pipe systems - Polybutylene (PB) pipe extrusion compounds from 10/10/2011

- [AS/NZS 2642.2:2008](#)

G12/AS1 cites AS/NZS 2642.2:2008 Polybutylene pipe systems - Polybutylene (PB) pipe for hot and cold water applications from 10/10/2011

- [AS/NZS 2642.3:2008](#)

G12/AS1 cites AS/NZS 2642.3:2008 Polybutylene pipe systems - Mechanical jointing fittings for use with polybutylene (PB) pipes for hot and cold water applications from 10/10/2011

- [AS/NZS 2845.1:2010](#)

G12/AS1 cites AS/NZS 2845.1:2010 Water supply - Backflow prevention devices - Part 1: Materials, design and performance requirements from 10/10/2011

- [AS/NZS 3500.1:2015](#)

G12/AS1 cites AS/NZS 3500.1:2015 Plumbing and drainage - Part 1: Water services from 01/01/2017 until 31/10/2019

- [AS/NZS 3500.4:2015](#)

G12/AS1 cites AS/NZS 3500.4:2015 Plumbing and drainage - Heated water services from 01/01/2017 until 31/10/2019

- [AS/NZS 4020:2005](#)

G12/AS1 cites AS/NZS 4020:2005 Testing of products for use in contact with drinking water from 30/09/2010

- [AS/NZS 4129:2008](#)

G12/AS1 cites AS/NZS 4129:2008 Fittings for polyethylene (PE) pipes for pressure applications from 30/09/2010

- [AS/NZS 4130:2009](#)

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- [AS/NZS 5000.1:2005](#)

G12/AS1 cites AS/NZS 5000.1:2005 (R2016) Electric cables - Polymeric insulated - For working voltages up to and including 0.6/1 (1.2) kV from 30/09/2010

- [AS/NZS 5000.2:2006](#)

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- [AS/NZS 60335.2.35:2013](#)

G12/AS1 cites AS/NZS 60335.2.35:2013 (Excludes IEC text) Household and similar electrical appliances - Safety - Part 2.35: Particular requirements for instantaneous water heaters from 14/02/2014

- [NZS 3501:1976](#)

G12/AS1 cites NZS 3501:1976 Specification for copper tubes for water, gas, and sanitation from 01/12/2007

- [NZS 4602:1988](#)

G12/AS1 cites NZS 4602:1988 Low pressure copper thermal storage electric water heaters from 01/12/2007

- [NZS 4603:1985](#)

G12/AS1 cites NZS 4603:1985 Installation of low pressure thermal storage electric water heaters with copper cylinders (open vented systems) from 01/12/2007

- [NZS 4606.1:1989](#)

G12/AS1 cites NZS 4606.1:1989 Storage water heaters - General requirements from 01/12/2007

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- [NZS 4607:1989](#)

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- [NZS 4608:1992](#)

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- [NZS 4617:1989](#)

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- [NZS 5807:1980](#)

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- [NZS 6214:1988](#)

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- [NZS 7601 :1978](#)

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- [AS 1357.1-2009](#)

G12/AS1 cites AS 1357.1-2009 Valves primarily for use in heated water systems - Part 1: Protection valves from 30/09/2010

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- [AS 2845.3-1993](#)

G12/AS1 cites AS 2845.3-1993 Water supply - Mechanical backflow prevention devices. Part 3: Field testing and maintenance from 25/02/2004

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- [BS EN 1567:1999](#)

G12/AS1 cites BS EN 1567:1999 Building valves. Water pressure reducing valves and combination water reducing valves. Requirements and tests. from 30/09/2010

- [BS 6920-1:2000](#)

G12/AS1 cites BS 6920-1:2000 Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water. Part 1: 2000 Specification from 30/09/2010

- [BS 6920-2.1:2000](#)

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- [BS 6920-2.2.1:2000](#)

G12/AS1 cites BS 6920-2.2.1:2000 Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water. Methods of test . Odour and flavour of water. General method of test from 30/09/2010

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G12/AS1 cites BS 6920-2.2.2:2000 Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water. Methods of test. Odour and flavour of water. Method of testing odours and flavour from 30/09/2010

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- [BS 6920-2.3:2000](#)

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for human consumption with regard to their effect on the quality of water. Methods of test. Growth of aquatic micro-organisms test from 30/09/2010

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- [NZ Backflow Testing Standard 2011](#)

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- [SR 1993/76](#)

G12/AS1 cites Gas Regulations 1993 from 01/12/2007

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