

Changes to Standard

AS/NZS 3500.2 Plumbing and Drainage Part 2: Sanitary Plumbing and Drainage

AS/NZS 3500.2 2018 published

AS/NZS 3500.2 *Plumbing and Drainage Part 2: Sanitary Plumbing and Drainage* has been updated. This new version came into effect on 29 June 2018. This document provides information on the key changes in the updated Standard. This Standard was last updated in 2015.

What work does this Standard apply to?

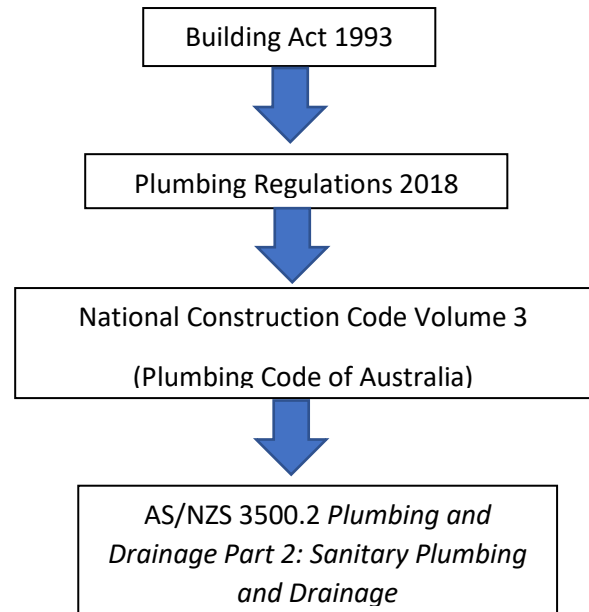
This Standard specifies the requirements for the design and installation of sanitary plumbing and drainage. It applies to new installations as well as alterations, maintenance, additions and repairs.

When does this Standard have to be used?

All plumbing work on sanitary plumbing and drainage installations in Victoria must comply with this Standard. The only exception is where a performance solution is used.

This Standard is part of Victorian law.

How this works is shown below:



The *Plumbing Regulations 2018* require that plumbing work is carried out in accordance with the *National Construction Code Volume 3*.

Parts C1 and C2 of the *National Construction Code, Volume 3* state that: The design, construction, installation, replacement, repair, alteration and maintenance of sanitary plumbing and drainage must be in accordance with AS/NZS 3500.2.

Where a plumber does not follow AS/NZS 3500.2 for this work, they are required to use a performance solution. For further information on performance solutions, please read the VBA's [industry guide](#).

Changes and Impact

Key changes from the 2015 version of the Standard include:

- **UV protection of plastic pipes and fittings**

Clause 2.4.4 (a)

Plastic pipes and fittings other than PVC, black PE or black PP shall be protected from direct sunlight using sleeving, lagging or other appropriate measures.

The 2015 version required plastic pipes and fittings to be resistant to UV light.

- **Renovation and relining of drains**

Clause 3.16, 6.2 and Appendix F

New requirements and information for renovation and relining of below ground and above ground sanitary drains. These were not included in the 2015 version.

- **Vents**

Table 3.9.3.1

For a DN 100 vent pipe, the maximum number of fixture units discharging to the drain is 600. In the 2015 version there was no maximum limit.

Figure 6.9.4

When determining allowable locations for vents, workways and work platforms are not considered trafficable decks. These types of decks were not excluded in the 2015 version.

Boundary traps and inspection shafts

Clause 4.4.1

New informative note: Boundary traps and inspection shafts should not

terminate within buildings in a habitable room.

Where possible, boundary traps and inspection shafts must still be installed in the open air according to clause 4.4.2.2.

Clause 4.4.2.1 (d)

Risers shall be installed vertically with no offsets. This is a new requirement. It ensures that drains can be easily inspected and unblocked.

- **Gullies**

Clause 4.6.3 (g)

A new option for maintaining a permanent water seal in a gully has been added: 'Waste fixtures or waste stacks connected into a gully riser, discharging below the level of the grating and above the surface level of the water seal.'

- **Refrigerated air-conditioners and heat pumps**

Clause 13.15

New requirements for discharge from refrigerated air-conditioners and heat pumps. These devices must be connected to an appropriately installed tundish or self-sealing device.

These and other options for terminating condensate drains are still included in *HB 276 2004*.

- **Renumbering of clauses**

Some clauses, tables and figures have been re-numbered in the 2018 version.

The VBA strongly encourages practitioners to consult the complete standard in order to ensure they comply with all Deemed-to-Satisfy requirements.

The full text of AS/NZS 3500.3:2018 can be accessed at the SAI Global website:

<https://infostore.saiglobal.com/>