Skip to main content Skip to primary navigation Menu Menu				
 Home Home About this portal Latest updates 				
Print Save Email Resource detail Citations				
AS/NZS 3500.2:2003 Plumbing and drainage - Sanitary plumbing and drainage				

Table of Contents

<u>View on Information Provider website</u> {{ linkText }}

Abbreviation

AS/NZS 3500.2:2003

Amendment

AS/NZS 3500.2:2003 A1 . - incorporated. Published 03/11/2005

Valid from

14/12/2003

Replaces

AS/NZS 3500.2.2:1996

Information provider

Standards New Zealand

Author

Standards New Zealand, Standards Australia

Information type

New Zealand Standard

Format

PDF

Cited By

This resource is cited by 15 documents (show Citations)

Cites

This resource cites 40 documents (show Citations)

This Standard specifies the requirements for the design and installation of sanitary plumbing and drainage from the fixtures to a sewer, common effluent system or an on-site wastewater management system, as appropriate. The Standard applies to new installations as well as alterations, additions or repairs to existing installations. Illustrations used in this Standard are diagrammatic only and have been chosen without prejudice. Cited in Ministry's Simple House Acceptable Solution.

Scope

This Standard specifies the requirements for the design and installation of sanitary plumbing and drainage from the fixtures to a sewer, common effluent system or an on-site wastewater management system, as appropriate. The Standard applies to new installations as well as alterations, additions or repairs to existing installations. Illustrations used in this Standard are diagrammatic only and have been chosen without prejudice. NOTE: The pre-treatment of trade wastes is not specified in this Standard.

For assistance with locating previous versions, please contact the information provider.

Table of Contents View on Information Provider website {{ linkText }}

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

AS/NZS 3500.2:2003 Plumbing and drainage - Sanitary plumbing and drainage

This document is CITED BY:

• G13/AS1 (Second Edition, Amendment 3)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS1: Sanitary Plumbing from 23/06/2007

• G13/AS1 (Second Edition, Amendment 5)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS1: Sanitary Plumbing from 23/06/2007

G13/AS1 (Second Edition, Amendment 4)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS1: Sanitary Plumbing from 23/06/2007

• G13/AS2 (Second Edition, Amendment 3)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS2: Drainage from 23/06/2007

G13/AS2 (Second Edition, Amendment 5)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS2: Drainage from 23/06/2007

• G13/AS2 (Second Edition, Amendment 4)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS2: Drainage from 23/06/2007

• G13/AS3 (Second Edition, Amendment 3)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS3: Plumbing and Drainage from 23/06/2007

G13/AS3 (Second Edition, Amendment 5)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS3: Plumbing and Drainage from 23/06/2007

G13/AS3 (Second Edition, Amendment 4)

AS/NZS 3500.2:2003 is cited by Acceptable Solution G13/AS3: Plumbing and Drainage from 23/06/2007

SH/AS1 (First edition, unamended)

AS/NZS 3500.2:2003 is cited by SH/AS1 Simple House Acceptable Solution

AS/NZS 1546.1:2008

AS/NZS 3500.2:2003 is cited by AS/NZS 1546.1:2008 On-site domestic wastewater treatment units: Septic tanks

AS/NZS 2032:2006

AS/NZS 3500.2:2003 is cited by AS/NZS 2032:2006 Installation of PVC pipe systems

AS/NZS 3666.1:2011

AS/NZS 3500.2:2003 is cited by AS/NZS 3666.1:2011 Air-handling and water systems of buildings - Microbial Control - Design, installation and commissioning

AS/NZS 4765:2007

AS/NZS 3500.2:2003 is cited by AS/NZS 4765:2007 Modified polyvinyl chloride (PVC-M) pipes for pressure applications

• AS/NZS 5065:2005

AS/NZS 3500.2:2003 is cited by AS/NZS 5065:2005 Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications

AS/NZS 3500.2:2003 Plumbing and drainage - Sanitary plumbing and drainage

Show what documents this resource is CITED BY

Show what documents this resource CITES

Description

This Standard specifies the requirements for the design and installation of sanitary plumbing and drainage from the fixtures to a sewer, common effluent system or an on-site wastewater management system, as appropriate. The Standard applies to new installations as well as alterations, additions or repairs to existing installations. Illustrations used in this Standard are diagrammatic only and have been chosen without prejudice. Cited in Ministry's Simple House Acceptable Solution.

View on Information Provider website

AS/NZS 3500.2:2003 Plumbing and drainage - Sanitary plumbing and drainage

Description

This Standard specifies the requirements for the design and installation of sanitary plumbing and drainage from the fixtures to a sewer, common effluent system or an on-site wastewater management system, as appropriate. The Standard applies to new installations as well as alterations, additions or repairs to existing installations. Illustrations used in this Standard are diagrammatic only and have been chosen without prejudice. Cited in Ministry's Simple House Acceptable Solution.

View on Information Provider website

This resource cites:

AS/NZS 3500.2:2003 Plumbing and drainage - Sanitary plumbing and drainage

This document CITES:

New Zealand Standards

AS/NZS 1167.2:1999

AS/NZS 3500.2:2003 cites AS/NZS 1167.2:1999 Welding and brazing - Filler metals - Filler metal for welding

AS/NZS 1260:2002

AS/NZS 3500.2:2003 cites AS/NZS 1260:2002 PVC-U pipes and fittings for drain, waste and vent application

AS/NZS 2280:1999

AS/NZS 3500.2:2003 cites AS/NZS 2280:1999 Ductile iron pressure pipes and fittings

AS/NZS 2544:1995

AS/NZS 3500.2:2003 cites AS/NZS 2544:1995 Grey iron pressure fittings

AS/NZS 2648.1:1995

AS/NZS 3500.2:2003 cites AS/NZS 2648.1:1995 Underground marking tape - Non-detectable tape

AS/NZS 2878:2000

AS/NZS 3500.2:2003 cites AS/NZS 2878:2000 Timber - Classification into strength groups

AS/NZS 3000:2000

AS/NZS 3500.2:2003 cites AS/NZS 3000:2000 Electrical installations (known as the Australian/New Zealand Wiring Rules)

AS/NZS 3500.0:2003

AS/NZS 3500.2:2003 cites AS/NZS 3500.0:2003 Plumbing and drainage - Glossary of terms

AS/NZS 3500.1:2003

AS/NZS 3500.2:2003 cites AS/NZS 3500.1:2003 Plumbing and drainage - Water services

AS/NZS 3879:1995

AS/NZS 3500.2:2003 cites AS/NZS 3879:1995 Solvent cements and priming fluids for use with unplasticized PVC (uPVC) pipes and fittings

AS/NZS 4671:2001

AS/NZS 3500.2:2003 cites AS/NZS 4671:2001 Steel reinforcing materials

AS/NZS 4680:1999

AS/NZS 3500.2:2003 cites AS/NZS 4680:1999 Hot-dip galvanized (zinc) coatings on fabricated ferrous articles

• AS/NZS 4936:2002

AS/NZS 3500.2:2003 cites AS/NZS 4936:2002 Air admittance valves (AAVs) for use in sanitary plumbing and drainage systems

NZS 3109:1997

NZS 3640:2003

AS/NZS 3500.2:2003 cites NZS 3640:2003 Chemical preservation of round and sawn timber

NZS 5807:1980

AS/NZS 3500.2:2003 cites NZS 5807:1980 Code of practice for industrial identification by colour, wording or other coding

• NZS/BS 1387:1985

AS/NZS 3500.2:2003 cites NZS/BS 1387:1985 Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or screwing to BS 21 pipe threads

Australian Standards

AS 1074:1989

AS/NZS 3500.2:2003 cites AS 1074:1989 Steel tubes and tubulars for ordinary service

• AS 1345-1995

AS/NZS 3500.2:2003 cites AS 1345-1995 Identification of the contents of pipes, conduits and ducts

• AS 1379-1997

AS/NZS 3500.2:2003 cites AS 1379-1997 Specification and supply of concrete

AS 1432:1996

AS/NZS 3500.2:2003 cites AS 1432-1996 Copper tubes for plumbing gasfitting and drainage applications

• AS 1478.1-2000

AS/NZS 3500.2:2003 cites AS 1478.1-2000 Chemical admixtures for concrete, mortar and grout - Admixtures for concrete

AS 1566:1997

AS/NZS 3500.2:2003 cites AS 1566:1997 Copper and copper alloys -- Rolled flat products

• AS 1604.1-2000

AS/NZS 3500.2:2003 cites AS 1604.1-2000 Specification for preservative treatment - Sawn and round timber

AS 1631-1994

AS/NZS 3500.2:2003 cites AS 1631-1994 Cast grey and ductile iron non-pressure pipes and fittings

• AS 1646-1992

AS/NZS 3500.2:2003 cites AS 1646-1992 Elastomeric seals for waterworks purposes

AS 1657-1992

AS/NZS 3500.2:2003 cites AS 1657-1992 Fixed platforms, walkways, stairways and ladders - Design, construction and installation

• AS 1741-1991

AS/NZS 3500.2:2003 cites AS 1741-1991 Vitrified clay pipes and fittings with flexible joints - Sewer quality

AS 2129:2000

AS/NZS 3500.2:2003 cites AS 2129:2000 Flanges for pipes valves and fittings

AS 2870:1996

AS/NZS 3500.2:2003 cites AS 2870:1996 Residential slabs and footings - Construction

• AS 3501-1987 (R2017)

AS/NZS 3500.2:2003 cites AS 3501-1987 (R2017) Parallel screw threads of Whitworth form (BSW and BSF) and associated gauges and gauging practice

AS 3571-1989

AS/NZS 3500.2:2003 cites AS 3571-1989 Glass filament reinforced thermosetting plastics (GRP) pipes - Polyester based - Water supply, sewerage and drainage applications

• AS 3600-2001

AS/NZS 3500.2:2003 cites AS 3600-2001 Concrete structures

AS 3688-1994

AS/NZS 3500.2:2003 cites AS 3688-1994 Water supply - Copper and copper alloy body compression and capillary fittings and threaded-end connectors

AS 3795-1996

AS/NZS 3500.2:2003 cites AS 3795-1996 Copper alloy tubes for plumbing and drainage applications

• AS 4087-1996

AS/NZS 3500.2:2003 cites AS 4087-1996 Metallic flanges for waterworks purposes

• AS 4139:2003

AS/NZS 3500.2:2003 cites AS 4139:2003 Fibre reinforced concrete pipes and fittings

Other

ASTM A240/A240M-02

AS/NZS 3500.2:2003 cites ASTM A240/A240M-02 Heat resisting chromium and chromium-nickel stainless steel plate sheet and strip for pressure vessels

• BS 2598-4:1980

AS/NZS 3500.2:2003 cites BS 2598-4:1980 Glass plant pipeline and fittings. Part 4: Specification for glass plant components

• BS EN 295-1:1991

AS/NZS 3500.2:2003 cites BS EN 295-1:1991 Vitrified clay pipes and fittings and pipe joints for drains and sewers. Requirements



Table of Contents

Section 1 Scope And General

- 1.1 Scope And Application
- 1.2 Normative References
- 1.3 Definitions
- 1.4 Plastics Abbreviations
- 1.5 Measurement Of Pipe Length
- 1.6 Pipe Grades
- 1.7 Equivalent Pipe Sizes

Section 2 Materials And Products

2.1 Scope C	of Section						
2.2 Authorization							

- 2.3 Selection And Use Of Materials And Products
- 2.4 Limitations On The Use Of Pipes And Fittings
- 2.5 Sheet Materials
- 2.6 Joints
- 2.7 Concrete And Mortar
- 2.8 Miscellaneous

Section 3 Drainage Design

- 3.1 Scope Of Section
- 3.2 Location Of Drains
- 3.3 Size And Length Of Drains
- 3.4 Grades Of Drains
- 3.5 Laying Of Drains
- 3.6 Proximity To Other Services
- 3.7 Depth Of Cover
- 3.8 Building Over Drains
- 3.9 Venting Of Drains
- 3.10 Unvented Branch Drains
- 3.11 Unvented Drains Discharging To Gullies

- 3.12 Inlet Pipe To Disconnector Gully
- 3.13 Restriction On Connections In Proximity To A Stack
- 3.14 Connection Of Basement Fixtures
- 3.15 Connections In Flood-Prone Areas
- 3.16 Re-Use Of Existing Sanitary Drains
- 3.17 Drains In Caravan Parks
- 3.18 Vacuum Systems
- 3.19 Common Effluent Drainage System
- 3.20 On-Site Wastewater Treatment Units
- **Section 4 Drainage System**
- 4.1 Scope Of Section
- 4.2 Point Of Connection
- 4.3 Drains
- 4.4 Inspection Shafts And Boundary Traps
- 4.5 Reflux Valves
- 4.6 Gullies
- 4.7 Inspection Openings (Io)
- 4.8 Inspection Chambers
- 4.9 Junctions In Drains
- 4.10 Jump-Ups

4.11 Disconnection	n And Sealing
--------------------	---------------

Section 5 Excavation Bedding Support And Backfilling

- 5.1 Scope Of Section
- 5.2 Excavation Of Trenches
- **5.3 Concrete Support For Drains**
- 5.4 Bedding Of Drains
- 5.5 Installation Of Backfill Materials
- 5.6 Drains In Other Than Stable Ground

Section 6 General Design Requirements For Sanitary Plumbing Systems

- 6.1 Scope Of Section
- 6.2 Fixture Unit Ratings
- 6.3 Venting For Fixtures
- 6.4 Trapping Of Fixtures And Appliances
- 6.5 Graded Discharge Pipes
- 6.6 Junctions In Stacks
- 6.7 Connections Near Base Of Stacks
- 6.8 Vents
- 6.9 Air Admittance Valves
- **6.10 Pressure Attenuators**

6a.1 Scope Of Section
6a.2 General
6a.3 Material And Products
6a.4 Installation Requirements
6a.4.1 Installation
Section 7 Fully Vented Systems And Fully Vented Modified Systems-Design And Installation
7.1 Scope Of Section
7.2 System Types
7.3 Size Of Discharge Pipes
7.4 Size Of Stacks
7.5 Venting
7.6 Offsets In Stacks
Section 8 Single Stack Systems And Single Stack Modified Systems-Design And Installation
8.1 Scope Of Section
8.2 System Design
8.3 Rating Of Fixtures
8.4 Fixtures Permitted To Be Connected
8.5 Connection Of Fixtures Without Trap Vents
8.6 Venting Of Stacks

- 8.7 Sizing Of Stacks
- 8.8 Variations To Single Stack Systems
- 8.9 Offsets In Single Stack Systems Only

Section 9 General Installation Of Pipework

- 9.1 Scope Of Section
- 9.2 Support And Fixing Of Pipework
- 9.3 Location
- 9.4 Concealment Of Pipes And Fittings
- 9.5 Testing And Inspection Openings
- 9.6 Installation Of Copper And Copper Alloy Pipes
- 9.7 Installation Of Pvc-U Pipes
- 9.8 Installation Of High Density Polyethylene (Pe-Hd) Pipes
- 9.9 Installation Of Frc Pipes
- 9.10 Disconnection Of Sanitary Plumbing
- 9.11 Identification Of Pipes
- 9.12 Installation Of Above-Ground (Elevated) Pipework And Connection Of Fixtures Using Drainage Principles
- 9.13 Installation Of Boundary Traps, Reflux Valves And Gullies Above Ground Within Buildings
- 9.14 Methods Of Jointing Of Pipes
- 9.14.10 Pe-Hd Joints

Section 10 Pumped Discharge
10.1 Scope Of Section
10.2 General
10.3 Compressed Air Ejection
10.4 Ejector Vent
10.5 Wet Wells
10.6 Installation Of Pumps
10.7 Pumped Discharges Or Rising Mains
10.8 Pump Discharge From Waste Fixtures
10.9 'Text Deleted'
10.10 Small Bore Macerator Pumps
10.11 Electrical Connection
Section 11 Fixtures And Appliances
11.1 Scope Of Section
11.2 Installation Of Sanitary Fixtures For People With Disablity
11.3 General Installation Requirements
11.4 Plant Rooms
11.5 Pressurized Chambers
11.6 Autopsy Tables

11.26 Untrapped Floor Drains
11.27 Water Closet Pans

Section 12 Multi-Unit Developments

12.1 Scope Of Section

12.2 Methods Of Design

Section 13 Testing Of Sanitary Plumbing And Sanitary Drainage Installations

13.1 General

13.2 Hydrostatic Test (Water Test)

13.3 Air Pressure Test

13.4 Vacuum Test

13.5 Closed Circuit Television (Cctv) Inspection

Appendices

Appendix A - Normative References

Appendix B - Pipe Grades Conversion Table

Appendix C - Acceptable Pipes And Fittings

Appendix D - Maximum Length (M) Of Fixture Discharge Pipe Without Venting

Appendix E - Conduct Of Inspections By The Use Of Closed Circuit Television (Cctv)

Bibliography

Print Save Email		
Feedback		
Contact us		
 Privacy policy 		
 <u>Disclaimer</u> 		
 Copyright 		
		_

<u>Feedback</u>