

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

  

[Save](#)

[Resource detail](#)  
[Citations](#)

## AS/NZS 3500.3:2003 Plumbing and drainage - Part 3: Stormwater drainage

[View on Information Provider website](#)

Abbreviation  
AS/NZS 3500.3:2003  
Amendment  
AS/NZS 3500.3:2003 A1 - incorporated. Published 26/07/2006  
Valid from  
14/12/2003

---

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 3 documents \(show Citations\)](#)

---

### Description

This Standard provides criteria for materials, design, installation and testing of roof drainage systems, surface drainage systems and subsoil drainage systems to a point of connection.

### Scope

This Standard covers materials, design, installation and testing of roof drainage systems, surface drainage systems and subsoil drainage systems to a point of connection.

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

[View on Information Provider website](#)

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

**This resource is cited by:**

## AS/NZS 3500.3:2003 Plumbing and drainage - Part 3: Stormwater drainage

This document is CITED BY:

- [AS 2050-2002](#)

AS/NZS 3500.3:2003 is cited by AS 2050-2002 Installation of roof tiles

- [AS/NZS 4765:2007](#)

AS/NZS 3500.3:2003 is cited by AS/NZS 4765:2007 Modified polyvinyl chloride (PVC-M) pipes for pressure applications

- [AS/NZS 5065:2005](#)

AS/NZS 3500.3:2003 is cited by AS/NZS 5065:2005 (R2016) Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications

Back

## AS/NZS 3500.3:2003 Plumbing and drainage - Part 3: Stormwater drainage

Show what documents this resource is CITED BY

Show what documents this resource CITES

### Description

This Standard provides criteria for materials, design, installation and testing of roof drainage systems, surface drainage systems and subsoil drainage systems to a point of connection.

[View on Information Provider website](#)

[AS/NZS 3500.3:2003 Plumbing and drainage - Part 3: Stormwater drainage](#)

### Description

This Standard provides criteria for materials, design, installation and testing of roof drainage systems, surface drainage systems and subsoil drainage systems to a point of connection.

[View on Information Provider website](#)

This resource does not cite any other resources.

## AS/NZS 3500.3:2003 Plumbing and drainage - Part 3: Stormwater drainage

This resource does not CITE any other resources.

Back

Close

### Table of Contents

## Section 1 Scope And General

### 1.1 Scope And Application

### 1.2 Referenced Documents

### 1.3 Definitions

### 1.4 Notation

## **1.5 Identification**

## **1.6 Protection Of Works**

## **1.7 Discharge Point Criteria**

# **Section 2 Materials And Products**

## **2.1 Scope Of Section**

## **2.2 Authorization**

## **2.3 Selection And Use**

## **2.4 Roof Drainage System**

## **2.5 Stormwater Drains (Non-Pressure)**

## **2.6 Rising Mains (Pressure)**

## **2.7 Subsoil Drains**

## **2.8 Joints**

## **2.9 Valves**

## **2.10 Concrete And Mortar**

## **2.11 Embedment Material**

## **2.12 Trench Fill**

## **2.13 Miscellaneous**

## **2.14 Filters For Subsoil Drains**

# **Section 3 Roof Drainage Systems-Design**

## **3.1 Scope Of Section**

## **3.2 General Method**

## **3.3 Meteorological Criteria**

## **3.4 Catchment Area**

## **3.5 Eaves Gutter Systems**

## **3.6 Valley Gutters**

## **3.7 Box Gutter Systems**

## **3.8 Soakers**

## **Section 4 Roof Drainage Systems-Installations**

### **4.1 Scope Of Section**

### **4.2 Transport, Handling And Storage**

### **4.3 Thermal Variation**

### **4.4 Corrosion**

### **4.5 Installation And Testing**

### **4.6 Inspection And Cleaning**

### **4.7 Alterations And Disconnection**

### **4.8 Eaves Gutters**

### **4.9 Box Gutters**

### **4.10 Valley Gutters**

### **4.11 Downpipes**

### **4.12 Overflow Devices Or Measures**

### **4.13 Joints For Metal Components**

### **4.14 Joints For PVC Components**

### **4.15 Joints For Other Components**

### **4.16 Support Systems**

## **Section 5 Surface Drainage Systems-Design**

### **5.1 Scope Of Section**

### **5.2 Design Methods**

### **5.3 Layout**

### **5.4 General Method**

### **5.5 Nominal Method**

## **Section 6 Subsoil Drainage Systems-Design**

## **Section 7 Surface And Subsoil Drainage Systems-Installation**

### **7.1 Scope Of Section**

### **7.2 General Requirements**

## **7.3 Site Stormwater Drains**

## **7.4 Subsoil Drains**

# **Section 8 Surface And Subsoil Drainage Systems-Ancillaries**

## **8.1 Scope Of Section**

## **8.2 Paved Surfaces**

## **8.3 Point(S) Of Connection**

## **8.4 Reflux Valves**

## **8.5 Inspection Openings**

## **8.6 Stormwater Pits, Inlet Pits And Arresters**

## **8.7 Surcharge Outlets**

## **8.8 Junctions**

## **8.9 Jump-Ups**

## **8.10 Anchor Blocks**

## **8.11 On-Site Stormwater Detention (OSD) Systems**

# **Section 9 Pumped Systems**

## **9.1 Scope Of Section**

## **9.2 General**

## **9.3 Wet Wells**

## **9.4 Pumps**

## **9.5 Rising Mains**

## **9.6 Electrical Connection**

# **Section 10 Site Testing**

## **10.1 Scope Of Section**

## **10.2 Downpipes, Site Stormwater Drains And Drains Within Or Under Buildings**

## **10.3 Test Criteria**

## **10.4 Procedure**

## Appendices

**Appendix A - Referenced And Related Documents**

**Appendix B - Site-Mixed Concrete For Minor Works**

**Appendix C - Stormwater Drainage Installation Plans**

**Appendix D - Guidelines For Determining Rainfall Intensities**

**Appendix E - Rainfall Intensities For Australia- 5 Min Duration**

**Appendix F - Rainfall Intensities For New Zealand-10 Min Duration**

**Appendix G - Examples Of Overflow Measures For Eaves Gutters**

**Appendix H - General Method For Design Of Eaves Gutter Systems-  
Example**

**Appendix I - Box Gutter Systems-General Method, Design Graphs  
And Illustrations**

**Appendix J - Box Gutter Systems-General Method-Examples**

**Appendix K - Surface Drainage Systems-Nominal And General  
Methods-Examples**

**Appendix L - Example Calculation-Pumped System**

**Appendix M - Subsoil Drainage Systems-Design**

[Save](#)

[Feedback](#)

  
  

- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)

  

[Feedback](#)