

AS/NZS 1170.1 Supplement 1:2002

**Structural design actions— Permanent,  
imposed and other actions—  
Commentary  
(Supplement to AS/NZS 1170.1:2002)**

### **AS/NZS 1170.1 Supp 1:2002**

This Joint Australian/New Zealand Standard supplement was prepared by Joint Technical Committee BD-006, General Design Requirements and Loading on Structures. It was approved on behalf of the Council of Standards Australia on 29 March 2002 and on behalf of the Council of Standards New Zealand on 28 March 2002. It was published on 4 June 2002.

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**AS/NZS 1170.1 SUPP 1:2002**

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## **Structural design actions—Permanent, imposed and other actions— Commentary (Supplement to AS/NZS 1170.1:2002)**

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## PREFACE

This Commentary was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-006, General Design Requirements and Loading on Structures, as a Supplement to AS/NZS 1170.1, *Structural design actions*, Part 1: *Permanent, imposed and other actions*. This Commentary supersedes in part AS 1170.1—1989, *Minimum design loads on structures*, Part 1: *Dead and live loads and load combinations* and in part NZS 4203:1992, *Code of practice for general structural design and design loadings for buildings (Vol. 2)*.

The Commentary provides background material and guidance to the requirements of the Standard.

The clause numbers of this Commentary are prefixed by the letter 'C' to distinguish them from references to the Standard clauses to which they directly relate. Where a commentary to certain Clauses is non-existent, it is because no explanation of the Clause is necessary.

## ACKNOWLEDGEMENT

Standards Australia wishes to acknowledge and thank the following member who has contributed significantly to this Commentary:

Peter Kleeman

## CONTENTS

	<i>Page</i>
SECTION C1 SCOPE AND GENERAL	
C1.1 SCOPE.....	4
C1.2 DETERMINATION OF DESIGN ACTIONS.....	4
C1.3 REFERENCED DOCUMENTS.....	4
C1.4 DEFINITIONS.....	5
C1.5 NOTATION.....	5
SECTION C2 PERMANENT ACTION	
C2.1 GENERAL.....	6
C2.2 SELF-WEIGHT.....	6
C2.3 PROVISION FOR PARTITIONS.....	6
C2.4 REMOVABLE LOADS.....	6
SECTION C3 IMPOSED ACTIONS	
C3.1 GENERAL.....	7
C3.2 CONCENTRATED ACTIONS.....	7
C3.3 PARTIAL LOADING.....	7
C3.4 FLOORS.....	8
C3.5 IMPOSED ACTIONS ON ROOFS, AND SUPPORTING ELEMENTS.....	11
C3.6 BARRIERS.....	11
C3.7 CRANES, HOISTS, LIFTS AND RECIPROCATING MACHINERY.....	11
C3.8 CAR PARKS.....	12
C3.9 GRANDSTANDS.....	12
SECTION C4 LIQUID PRESSURE, GROUND WATER, RAINWATER PONDING, AND EARTH PRESSURE	
C4.1 GENERAL.....	13
C4.2 LIQUID PRESSURE.....	13
C4.3 GROUND WATER.....	13
C4.4 RAINWATER PONDING.....	13
C4.5 EARTH PRESSURE.....	13
APPENDICES	
CA UNIT WEIGHT OF MATERIALS.....	14
CB OTHER IMPOSED ACTIONS.....	25

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard**  
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## SECTION C1 SCOPE AND GENERAL

**C1.1 SCOPE**

This Commentary is intended to be read in conjunction with AS/NZS 1170.1:2002. The commentary includes explanations of the provisions and in some cases suggests approaches that may satisfy the intent of the Standard. Commentary Clauses are not mandatory. Lists of references are also given for further reading.

Construction actions are now specifically covered in AS/NZS 1170.0. The comment on construction activity is given under Clause C3.1.

**C1.2 APPLICATION****C1.3 DETERMINATION OF DESIGN ACTIONS**

This Clause reflects the philosophy outlined in AS/NZS 1170.0 that design should be verified using appropriate loads.

**C1.4 REFERENCED DOCUMENTS**

The following documents are referred to in this Commentary:

AS	
2156	Walking tracks
2156.1	Part 1: Classification and signage
2156.2	Part 2: Infrastructure design
2867	Farm structures—General requirements for structural design
3610	Formwork for concrete
4678	Earth retaining structures
AS/NZS	
1170	Structural design actions
1170.0	Part 0: General principles
1576	
Scaffolding	
1576.1	Part 1: General requirements
NZS	
203	Code of practice for general structural design and design loadings for buildings (Volume 1, Code of practice; Volume 2, Commentary)
BS	
6399	Loads for buildings
6399.1	Part 1: Code of practice for dead and imposed loads
EN	
1991	Basis of design and actions on structures (Eurocode 1)
1991-2-1	Part 2.1: Actions on structures—Densities, self-weight and imposed loads