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AS 1720.1-1997 Timber structures - Part 1: Design methods

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Abbreviation

AS 1720.1-1997

Amendment

AS 1720.1-1997/Amdt 3-2001 AS 1720.1-1997/Amdt 4-2002 AS 1720.1-1997/Amdt 1-1998 AS 1720.1-1997/Amdt 2-2000

Valid from

05/11/1997

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

[This resource is cited by 4 documents \(show Citations\)](#)

Description

This Standard sets out the limit state design methods to be used in the design or appraisal of structural elements comprised of timber or wood products and of structures comprised substantially of timber. Design data is provided for sawn timber, glued laminated timber, round timber, plywood, laminated veneer lumber, monitored in-grade tested material and various types of fastenings.

Test methods are included for components or assemblies of unconventional design which are not readily amenable to detailed analysis. Guidelines on serviceability considerations and information on the assignment of capacity factors to timber products are also provided.

Scope

This Standard sets out limit state design methods for the structural use of timber which are based on the principles of structural mechanics and on data established by research. The Standard is intended for use in the design or appraisal of structural elements or systems comprised of timber or wood products and of structures comprised substantially of timber.

To this end, the Standard provides design data for sawn timber, laminated timber, timber in pole form, plywood, laminated veneer lumber and various types of fastenings. In addition, it provides methods of test for components or assemblies of unconventional design which may not be readily amenable to detailed analysis. For ease of use, the simpler design situations are covered in the main body of the text.

Related appendices, which form an integral part of the Standard, give acceptable procedures for detailed design situations.

Application This Standard will be referenced in the Building Code of Australia by way of BCA Amendment 3 to be published by 1 July 1998, thereby superseding the previous edition, AS 1720.1-1988, which will be withdrawn 12 months from the date of publication of this edition.

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

Notes/comments

This Standard has been superseded by AS 1720.1:2010

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- [AS/NZS 2269.0:2008](#)

AS 1720.1-1997 is cited by AS/NZS 2269.0:2008 Plywood - Structural - Specifications

- [AS/NZS 2269:2004](#)

AS 1720.1-1997 is cited by AS/NZS 2269:2004 Plywood - Structural

- [NZS 3602:2003](#)

AS 1720.1-1997 is cited by NZS 3602:2003 Timber and wood-based products for use in building

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