AS 1720.1—1988

Australian Standard®

SAA TIMBER STRUCTURES CODE
Part 1—DESIGN METHODS

This Australian Standard was prepared by Committee TM/102, timber Engineering. It was approved on behalf of the Council of the Standards Association of Australia on 21 April 1988 and published on 15 July 1988.

The following interests are represented on Committee TM/102:

Australian British Chamber of Commerce
Australian Federation of Timber Merchants Associations
Australian Institute of Building
Australian Timber Importers' Federation
CSIRO, Division of Construction and Engineering
Department of Forestry, Qld
Electricity Supply Association of Australia
Forest Products Association, W.A.
Forestry Commission of N.S.W.
Master Builders Federation of Australia
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New South Wales Timber Advisory Council
Public Works Department, New South Wales
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The Association of Consulting Engineers Australia
Timber Merchants Association of South Australia
Timber Merchants Association of Victoria
Timber Preservers Association of Australia
Timber Promotion Council
Timber Research and Development Advisory Council
Timber and Building Material Merchants Association, N.S.W
Universities and colleges
Victorian Sawmillers Association
Woods and Forests Department, S.A

Additional interests participating in preparation of Standard:

Australian Timber Research institute Inc.
Australian Uniform Building Regulations Co-ordinating Council

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PREFACE

This Standard was prepared by the Association's Committee on Timber Engineering to supersede AS 1720—1975, *SAA Timber Engineering Code*.

In considering the revision of AS 1720—1975 the committee decided that it would be appropriate if its subject matter and other material to be included in the revision was divided into four parts as follows:

Part 1: *Design methods* (this Standard)

Part 2: *Timber properties* (in course of preparation)

Part 3: *Non-standard connectors* (in course of preparation

Part 4: *Fire resistance of timer structures* (in course of preparation)

While this Standard is primarily concerned with design methods, it also contains structural design properties for a modest range of timber species and metal connectors. Section 1 deals with general matters such as definitions and conditions for the application of this Standard. Design rules are given in Sections 2 to 7, with Section 2 containing the basic structural design properties of timber essential to the use of the Standard.

Normal procedure for users is to note the general requirements of Section 1, obtain the basic structural design properties from Section 2 and then to proceed to one of Sections 3 to 7 depending on th type of element being designed.

In general, the simpler design situations are covered in the main body of the text, and acceptable procedures for detailed design situations are given in the related appendices. For ease of use the appendices correlate sequentially with the sections of the text, i.e. Appendices A, B, C etc are related to the Sections 1, 2, 3, etc, in the main body of this text. It should be noted that Appendix A gives rules for the acceptance of timber structures based on proof and prototype testing.

The appendices, which form an integral part of this Standard, have been drafted in mandatory terms to facilitate cross reference by Regulatory Authorities.

Design information for timber piles which was included in the previous edition of this Standard is now provided in AS 2159, *SAA Piling Code.*

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