

SINGAPORE STANDARD

Code of practice for the structural use of timber

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The Technical Committee would like to acknowledge the contributions by the late Mr Ho Mun (served as Chairman till March 1996) in the preparation of this Code.

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SINGAPORE STANDARD
CODE OF PRACTICE FOR
THE STRUCTURAL USE OF TIMBER

FOREWORD

This Code of Practice was prepared by the Technical Committee on Review of CP 7 : 1978 under the direction of the Construction Industry Practice Committee. It is a revision of SS CP 7 : 1978.

Sections 3, 5 and 6 are based on BS 5268 : Part 2 : 1991 'Code of practice for permissible stress design materials and workmanship' and are reproduced by permission of BSI, 389 Chiswick High Road London W4 4AL, England.

In drafting this Code, it has been assumed that the design of timber structures is entrusted to professional engineers, for whose guidance it has been prepared, and that the work is done under the direction of a qualified supervisor.

This Code gives the data available for the timber species known. It is to be noted therefore that in those species where their particular characteristics are not ascertained or known, they are omitted from the respective tables listing such characteristics.

In preparing this Code, references were made to the following publications:

- | | | |
|-----|---|---|
| (a) | BS 5268 | Structural use of timber
Part 2 : 1991 Code of practice for permissible stress design,
materials and workmanship

Part 2 : 1996 Code of practice for permissible stress, design,
materials and workmanship |
| (b) | MS 344 : 1978 | Code of practice for the structural use of timbers |
| (c) | The Malayan Grading Rules for Sawn Hardwood Timber 1984 Edition | |

The technical data on the physical properties of timber are based on the results of research work undertaken by the Forest Research Institute, Kepong, Malaysia.

Acknowledgement is made for the use of information from the above references.

NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*
2. *An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.*
3. *Compliance with a SS or TR does not exempt users from any legal obligations.*

SECTION ONE

GENERAL

1.1 SCOPE

This Code of Practice provides guidance on the structural use of tropical timber in load bearing members. It includes recommendations on quality, permissible stresses and modification factors applicable to these materials when used as simple members, or as parts of built-up components, or as parts of structures incorporating other materials. It also gives recommendations for the design of nailed, screwed, bolted and connected joints. In addition, it provides recommendations for a method of test to assess the adequacy of structural assemblies, and it includes general advice on workmanship, various treatments which can be applied, inspection and maintenance.

It does not, and is not intended to, deal comprehensively with all aspects of timber construction. In particular it does not cover well-tried and traditional methods of construction which have been employed successfully over a long period of time.

NOTE. The titles of the publications referred to in this Code are listed at the end of this Code.