

SINGAPORE STANDARD
CP 1 : 2001
(ICS 91.080.20)

CODE OF PRACTICE FOR
The use of timber in buildings

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Foreword

This Singapore Standard was reviewed by the Technical Committee on Architectural Practice under the direction of the Construction Industry Practice Committee. It is a revision of CP 1 : 1982.

This code deals with the use of timber in the building industry. It is intended primarily to lay down requirements regarding design, quality of material and its application. It represents a standard of good practice and therefore takes the form of recommendation. Compliance with it does not exonerate user/specifier from relevant legal requirements including by-laws.

The recommendations are such as to enable the maximum economic use of available timber resources. Hence, recommending the standard sizes and profiles for the most commonly used items of construction together with details of timber species most suitable for various functions. A wide range of tropical timbers which are of commercial interest and generally available is listed in this Code.

Changes made to the 1982 edition include the updating of data on timber species and classifications and the exclusion of strength requirements of various timber species, which can be referred to in SS CP 7, and omission of health hazard chemical as timber preservative.

Acknowledgement is made for the use of information from Malaysian Timber Council and Malaysian Timber Board.

NOTE

1. *Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue of either amendment slips or revised editions.*
2. *Compliance with a Singapore Standard does not exempt users from legal obligations.*

Code of practice for the use of timber in buildings

1 Scope

This code applies to dimensions and species of timber suitable for application in buildings.

NOTE – Tables 9 to 17, which give the dimensions for structural members, are for reference only. These tables will be included in SS CP 7 when it is revised in due course.

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

2 Purpose

The purpose of this code is to prescribe dimensions which will be adequate for the satisfactory function of the various non-structural members and which will at the same time ensure efficient utilisation of timber resources. Reference to sizes of structural members is to be obtained from SS CP 7.

3 Timber species

The timber species recommended by this Code is given in Table 1.

4 Timber grades and size tolerances

Unless otherwise specified, sawn timber for carpentry works shall be of Sound Grade for GMS (General Market Specifications). Grading shall be carried out in accordance with the Malaysian Grading Rules by timber graders registered with the Malaysian Timber Industry Board. Timber for carpentry shall be bare-sawn. The sizes of sawn timber, unless otherwise specified, shall be within the margin of permissible variations stated below:

- For widths, depths or thicknesses not exceeding 75 mm, within 5 mm of the specified size.
- For widths, depths or thicknesses exceeding 75 mm, within 10 mm of the specified size.

The contractor shall provide any necessary blocks, wedges or battens to compensate for irregular surfaces caused by any variations in size of timbers hereby permitted.

Unless otherwise specified, sawn timber for joinery works shall be of Sound Grade (GMS and Strips). Timber for joinery shall be bare-sawn. The finished sizes for joinery (including wroth timber), unless otherwise specified, shall be within the margin of permissible variation stated below:

- For widths, within 3 mm of the specified finished size.
- For thicknesses, within 2 mm of the specified finished size.