



MALAYSIAN STANDARD

**MS 544 : PART 4 :
SECTION 1 : 2001**

CODE OF PRACTICE FOR STRUCTURAL USE OF TIMBER : PART 4 : TIMBER PANEL PRODUCTS : SECTION 1 : STRUCTURAL PLYWOOD

ICS : 91.080.20

Descriptors : panel products, structural plywood, strength of plywood, structural plywood application, structural plywood durability, structural plywood grade and structural plywood properties.

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Committee representation

The Building and Civil Engineering Industry Standards Committee (ISC D) under whose supervision this Malaysian Standard was developed, comprises representatives from the following Government Ministries, Trade, Commerce and Manufacturing Associations, and Scientific and Professional Bodies:

Association of Consulting Engineers Malaysia
Construction Industry Development Board Malaysia
Department of Standards Malaysia
Department of Occupational Safety and Health
Jabatan Bomba dan Penyelamat
Pertubuhan Akitek Malaysia
Master Builders Association Malaysia
Ministry of Housing and Local Government (Housing Department)
Ministry of Works (Public Works Department)
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The preparation of this Malaysian Standard is under the supervision of the following representatives of the CIDB Standard Committee:

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The Technical Committee on Structural Use of Timber which developed this Malaysian Standard consists of the following representatives:

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Committee representation *(continued)*

The Working Group on Timber Panel Products which developed this Malaysian Standard consists of the following representatives:

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FOREWORD

This Malaysian Standard was developed by the Technical Committee on Structural Use of Timber established at the Construction Industry Development Board Malaysia (CIDB) under the authority of the Building and Civil Engineering Industry Standards Committee.

CIDB is the Standards-Writing Organisation (SWO) appointed by SIRIM Berhad to develop standards for the construction industry.

This standard is referred to BS 5268 : Part 2 : 1996, 'Structural use of timber code of practice for permissible stress design, materials and workmanship'.

MS 544 consists of the following parts and sections, under the general title, 'Code of practice for structural use of timber' :

- Part 1 : General
- Part 2 : Permissible stress design of solid timber
- Part 3 : Permissible stress design of glued laminated timber
- Part 4 : Timber panel products
 - Section 1 : Structural plywood
 - Section 2 : Marine plywood
 - Section 3 : Cement bonded particleboard
 - Section 4 : Oriented strand board
- Part 5 : Timber joints
- Part 6 : Workmanship, inspection and maintenance
- Part 7 : Testing
- Part 8 : Design, fabrication and installation of prefabricated timber for roof trusses
- Part 9 : Fire resistance of timber structures
 - Section 1 : Method of calculating fire resistance of timber members.
- Part 10 : Preservative treatment of structural timbers
- Part 11 : Recommendation for the calculation basis for span tables
 - Section 1 : Domestic floor joists
 - Section 2 : Ceiling joists
 - Section 3 : Ceiling binders
 - Section 4 : Domestic rafters
- Part 12 : Laminated veneer lumber for structural application.

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