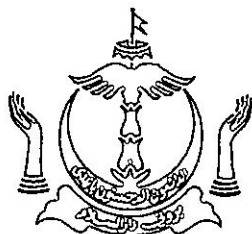


**PBD 18 : 1995**



**PIAWAI BRUNEI DARUSSALAM  
BRUNEI DARUSSALAM STANDARD**

# **Timber**

Specification for the use of timber in carpentry and  
joinery works

MINISTRY OF DEVELOPMENT  
NEGARA BRUNEI DARUSSALAM

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**Construction Planning and Research Unit  
Ministry of Development  
Old Airport, Jalan Berakas  
Bandar Seri Begawan 1190  
Negara Brunei Darussalam.**

# **Timber**

**Specification for the use of timber in  
carpentry and joinery works**

**PIAWAI BRUNEI DARUSSALAM**

**PBD 18 : 1995**

**First Edition**

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Attention is drawn to the fact that this Brunei Darussalam Standard does not confer any immunity from legal obligations in any contract for compliance the Standard.

The Brunei Darussalam Standards are subject to periodical review according to the current needs of the local industries to keep abreast of progress in the industries concerned. Suggestions of amendments will be recorded and in due course brought to the notice of the committees concerned.

**Amendments issued since publication**

<b>Amd No.</b>	<b>Date of Issue</b>	<b>Text affected</b>

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## **FOREWORD**

This Brunei Darussalam Standard PBD: 18 - Specification for the use of timber in Carpentry and Joinery Works was prepared by the Technical Committee on Timber (TECO) under the authority of the Standards Committee, Ministry of Development.

This Standard was published with the main aim of providing a standard for specifying the timber used in carpentry and joinery works according to the national requirements. This Standard does not cover the use of other wood based products used in carpentry and joinery works such as plywood, chip board, medium density fibre board (MDF) and other reconstituted boards. Manufacturers, contractors and users will be able to adopt this Standard in their specifications for timber for carpentry and joinery works. Such specifications will form the basis for quality assessment, communication of the requirements and arbitration for such products and associated activities in Brunei Darussalam.

This Standard extracts from the PBD 8: 1993 Specifications for Treated Timber Products the type of timber treatment which is specific to the carpentry and joinery works. The moisture contents of the timber products and the size tolerances for bare-sawn are discussed in this Standard. Finally, the procedures for storage and handling of the timber products are covered together with the workmanship requirements for carpentry and joinery. The latter adopts the practice as specified in MS3.44 : 1978 Code of Practice for the Structural Use of Timber.

Acknowledgement is due to the Forestry Department, Ministry of Industry and Primary Resources for providing most of the technical references. In drawing up this Standard, references were also made to:

PBD 7 : 1993: Nomenclature of common timbers in Brunei Darussalam.

PBD 16 : 1994: Methods for the Determination of Moisture Content of Timber.

*The Malaysian Timber Industry Board: Specifying Timber for Building Construction.*

**COMMITTEE REPRESENTATION**

The Technical Committee on Timber was entrusted by the Ministry of Development for the preparation of this Brunei Darussalam Standard. The members of the Technical Committee are as follows:-

- |     |                                    |   |
|-----|------------------------------------|---|
| 1.  | Awang Wong Tuck Meng<br>(Chairman) | Forestry Department,<br>Ministry of Industry<br>and Primary Resources |
| 2.  | Dayang Rosalind Khan               | Ministry of Development   |
| 3.  | Awang Ariffin bin Haji Suhaili     | Housing Development<br>Department,<br>Ministry of Development         |
| 4.  | Awang Hamidon bin Haji Md Said     | Public Works Department,<br>Ministry of Development                   |
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| 6.  | Hjh Noraini Hj Md Jamudin          | EDE/264, Brunei Shell Petroleum<br>Co. Sdn Bhd                        |
| 7.  | Awang Hj Sulaiman bin Haji Puteh   | Maktab Teknik Sultan Saiful Rijal                                     |
| 8.  | Awang Chung Hock Yew               | Sepakat Setia Perunding   |
| 9.  | Dr Yong Chee Tuan                  | Universiti Brunei Darussalam  |
| 10. | Mr G.N. Prabhu/Mr Raj Takhar       | Baharuddin Associates   |

## **Carpentry and Joinery Works**

### **1 General**

**1.1** The timber species used for the Works shall be as shown in schedules I and II, unless otherwise specified.

**1.2** Grading of the timber shall be performed in accordance with the 1984 edition of the Malaysian Grading Rules.

**1.3** All carpentry and joinery works shall include all necessary notchings, halvings, morticing and tenoning, wedging, scarfing, dovetailing, sinking for heads of bolts and nuts, and trimming for opening.

**1.4** All carpentry works shall be left with a sawn surface except where particularly described to be wrot. All joinery shall be wrot and finished with sand paper as required and all sizes stated are the finished sizes. Sizes for carpentry shall be within the tolerances of clause 3.1 and sizes for joinery shall be within the tolerances of clause 3.2.

### **2 Treatment of Timber**

**2.1** All timber except the heartwood of the naturally durable timber and timber for formwork, scaffolding and other temporary works shall be impregnated by means of vacuum pressure processes in accordance with PBD 8 : 1993 using copper/chrome/arsenic (CCA) wood preservatives conforming to the following net dry salt retentions. The commodity classes and their treatment are specified in PBD 8: 1993.