

Australian Standard[®]

Particleboard flooring

Part 2: Installation



This Australian Standard® was prepared by Committee TM-005, Reconstituted Timber Panel Products. It was approved on behalf of the Council of Standards Australia on 19 May 2006. This Standard was published on 26 June 2006.

The following are represented on Committee TM-005:

- Australian Building Codes Board
- Australian Wood Panels Association
- Ensis
- Forests NSW
- Furnishing Industry Association of Australia
- Furntech
- Master Builders Australia
- New Zealand Wood Panel Manufacturers Association

Additional Interests:

- Dr Alan Halligan
-

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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PREFACE

This Standard was prepared by the Joint Standards Australia/ Standards New Zealand Committee TM-005, Reconstituted Timber Panel Products, to supersede AS 1860—1998, *Installation of particleboard flooring*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard incorporates Amendment No. 1 (December 2010). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure, or part thereof affected.

The objective of this Standard is to set out the minimum performance requirements for the installation of particleboard flooring, which are acceptable to building authorities in Australia.

The objective of this revision is to provide a series of Standard series that deals with particleboard flooring, as follows:

AS/NZS 1860	Particleboard flooring
AS/NZS 1860.1	Part 1: Specifications
AS 1860.2	Part 2: Installation (this Standard)

An informative Appendix D has been incorporated to provide guidelines for flooring installation in wet areas.

During the course of preparation of this Standard, consideration was given to research and testing information from resources in Australia, New Zealand and overseas.

This Standard will be referenced in the Building Code of Australia 2007, thereby superseding the previous edition, AS 1860—1998, which will be withdrawn 12 months from the date of publication of this edition.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard Particleboard flooring

Part 2: Installation

1 SCOPE

This Standard sets out procedures for the selection, placement and fixing of Class 1 particleboard flooring complying with AS/NZS 1860.1.

NOTE: This Standard does not cover waterproofing procedures necessary for wet area rooms. Wet area rooms are covered by AS 3740.

2 APPLICATION

The main application of this Standard is in domestic construction; however, the procedures and requirements herein may apply to particleboard used as flooring in applications where the particleboard is applied over a system of parallel joists of either timber or steel.

NOTE: Particleboard flooring is not suitable for external decking.

3 NORMATIVE REFERENCED DOCUMENTS

The following referenced documents are indispensable for the application of this Standard.

NOTE: Informative referenced documents are listed in Appendix A. They are not an integral part of the Standard.

AS

- 1684 Residential timber-framed construction
- 1684.2 Part 2: Non-cyclonic areas
- 1684.3 Part 3: Cyclonic areas
- 1684.4 Part 4: Simplified—Non-cyclonic areas
- 1789 Electroplated zinc (electrogalvanized) coatings on ferrous articles (batch process)

AS/NZS

- 1860 Particleboard flooring
- 1860.1 Part 1: Specifications
- 4491 Timber—Glossary of terms in timber-related Standards

ABCB

- BCA Building Codes of Australia

4 DEFINITIONS

For the purpose of this Standard definitions in AS/NZS 4491 and those below apply. Where the definitions below differ from those in AS/NZS 4491, those below take precedence.

4.1 Floor construction system

4.1.1 *Fitted floor construction*

A technique whereby flooring is laid over a system of parallel joists and fitted between the bottom wall plates of each room and hallway. This procedure is usually carried out after the roof covering and external wall cladding have been completed (see Figures 1 and 2).