

AS 1859.1:2017
(Incorporating Amendment No. 1)



Reconstituted wood-based panels — Specifications

Part 1: Particleboard



AS 1859.1:2017

This Australian Standard® was prepared by Joint Technical Committee TM-011, Engineered Timber Products. It was approved on behalf of the Council of Standards Australia on 6 August 2017.

This Standard was published on 27 October 2017.

The following are represented on Committee TM-011:

- Australian Building Codes Board
- Australian Forest Products Association
- Australian Timber Importers Federation
- Australian Wood Panels Association
- Building Research Association of New Zealand
- Engineered Wood Products Association of Australasia
- Forest and Wood Products Australia
- Furntech-AFRDI
- Glued Laminated Timber Association of Australia
- Master Builders Australia
- New Zealand Plywood Manufacturers Association
- New Zealand Timber Industry Federation
- Timber Design Society
- University of Melbourne
- Wood Processors and Manufacturers Association of New Zealand

This Standard was issued in draft form for comment as DR AS/NZS 1859.1:2016.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

ISBN 978 1 76035 932 4

Reconstituted wood-based panels — Specifications

Part 1: Particleboard

Originated as part of AS O115—1968.
Previous edition AS/NZS 1859.1(Int):2001.
Jointly revised and designated as AS/NZS 1859.1:2004.
This edition 2017.
Reissued and redesignated incorporating Amendment No 1 (September 2021)
as AS 1859.1:2017.

© Standards Australia Limited 2017

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-011, Engineered Timber Products, to supersede AS/NZS 1859.1:2004.

[A1] *This Standard incorporates Amendment No. 1 (Month 2021). The start and end of changes introduced by the Amendment are indicated in the text by tags including the amendment number 1. **[A1]***

[A1] Amendment No. 1 to this Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee TM-011, Engineered Timber Products. As a consequence of Amendment No. 1, which is published as an Australian-only amendment, this Standard will be redesignated from AS/NZS 1859.1 to AS 1859.1. **[A1]**

The objective of this Standard is to specify performance requirements for the manufacture and application of particleboard.

This Standard is Part 1 of the AS/NZS 1859 series, dealing with reconstituted wood-based panel products, as follows:

[A1] AS 1859.1 **[A1]**, Reconstituted wood-based panels—Specifications, Part 1: Particleboard (this Standard)

AS/NZS 1859.2, Reconstituted wood-based panels—Specifications, Part 2: Dry process fibreboard

AS/NZS 1859.3, Reconstituted wood-based panels—Specifications, Part 3: Decorative overlaid wood panels

AS/NZS 1859.4, Reconstituted wood-based panels—Specifications, Part 4: Wet process fibreboard

Requirements for particleboard flooring are specified in AS/NZS 1860 as follows:

AS/NZS 1860.1, Particleboard flooring, Part 1: Specifications

AS 1860.2, Particleboard flooring, Part 2: Installation

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

Contents

Preface	ii
1 Scope	1
2 Application	1
3 Referenced documents	1
4 Definitions	1
5 Classification	2
6 Requirements at dispatch	2
6.1 General	2
6.2 Dimensions	3
6.3 Formaldehyde emission	3
7 Specific requirements	3
7.1 General	3
7.2 Lower specification limits	4
7.3 Upper specification limits	4
7.4 Moisture resistance	4
7.5 Specific requirements for standard particleboards	4
7.6 Specific requirements for high performance particleboards	5
7.101 Specific requirements for high performance particleboards	5
8 Supplementary properties	6
9 Verification of compliance	6
10 Marking	7
Amendment control sheet	8