

This is a preview of "ISO 16894:2009". [Click here to purchase the full version from the ANSI store.](#)

First edition
2009-11-15

Wood-based panels — Oriented strand board (OSB) — Definitions, classification and specifications

Panneaux à base de bois — Panneaux de lamelles minces, longues et orientées (OSB) — Définitions, classification et spécifications



Reference number
ISO 16894:2009(E)

© ISO 2009

This is a preview of "ISO 16894:2009". [Click here to purchase the full version from the ANSI store.](#)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2009

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

This is a preview of "ISO 16894:2009". [Click here to purchase the full version from the ANSI store.](#)

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	2
3.1 Terms and definitions	2
3.2 Abbreviated terms	3
4 Classification of the OSB.....	3
5 General requirements of all OSB types.....	3
6 Requirement values	4
7 Requirements for general purpose non-load-bearing OSB for interior fitments for use in dry conditions (Type OSB GP-REG).....	4
8 Requirements for load-bearing OSB for use in dry conditions (Type OSB LB-REG)	4
9 Requirements for load-bearing OSB for use in humid conditions (Type OSB LB-MR)	5
9.1 General	5
9.2 Mechanical and swelling properties	5
9.3 Moisture resistance	6
10 Requirements for heavy duty load-bearing OSB for use in humid conditions (Type OSB HLB-MR)	6
10.1 General	6
10.2 Mechanical and swelling properties	7
10.3 Moisture resistance	7
11 Marking	8
Annex A (normative) Calculation of the 5th percentile and 95th percentile values.....	9
Annex B (normative) Alternative moisture cycle for moisture resistance.....	11
Annex C (normative) Supplementary properties	12
Bibliography	13

This is a preview of "ISO 16894:2009". [Click here to purchase the full version from the ANSI store.](#)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16894 was prepared by Technical Committee ISO/TC 89, *Wood-based panels*, Subcommittee SC 2, *Particle boards*.