

Oriented Strand Boards (OSB) — Definitions, classification and specifications

The European Standard EN 300 : 1997 has the status of a
British Standard

ICS 01.040.79; 79.060.20

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee B/541, Wood-based panels, upon which the following bodies were represented:

- A.P.A. (Engineered Wood Association)
- Association of British Plywood and Veneer Manufacturers
- British Woodworking Federation
- Chartered Institute of Building
- Co-ordinator for Timber and Timber Products
- Council of the Forest Industries of British Columbia
- Department of the Environment (Building Research Establishment)
- Finnish Plywood International
- Flat Roofing Contractors' Advisory Board
- Forestry Commission
- Furniture Industry Research Association
- Institution of Structural Engineers
- Local Authority Organizations
- Mineral Bonded Board Products Federation
- National Federation of Roofing Contractors
- National House-building Council
- National Panel Products Association
- Royal Institute of British Architects
- Structural Board Association
- Timber Research and Development Association
- Timber Trade Federation
- Wood Panel Industries Federation
- Zurich Municipal Building Guarantee

This British Standard, having been prepared under the direction of the Sector Board for Building and Civil Engineering, was published under the authority of the Standards Board and comes into effect on 15 September 1997

© BSI 1997

Amendments issued since publication

Amd. No.	Date	Text affected

The following BSI references relate to the work on this standard:
Committee reference B/541
Draft for comment 92/87714 DC

ISBN 0 580 27972 3

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN 300	3

National foreword

This British Standard has been prepared by Technical Committee B/541 and is the English language version of EN 300 : 1997 *Oriented Strand Boards (OSB) — Definitions, classification and specifications*, published by the European Committee for Standardization (CEN).

EN 300 was produced as a result of international discussions in which the United Kingdom took an active part.

BS EN 300 is one of a number of standards which together supersede BS 5669 : Part 3, which will be withdrawn in accordance with CEN provisions within six months of completion of a package of standards covering Oriented Strand Boards (OSB).

These standards are:

EN 120	EN 319	EN 323	EN 326-1
EN 310	EN 321	EN 324-1	EN 1087-1
EN 317	EN 322	EN 324-2	

Cross-references

Publication referred to	Corresponding British Standard
EN 120 : 1992	BS EN 120 : 1992 <i>Wood-based panels. Determination of formaldehyde content. Extraction method called the perforator method</i>
EN 310 : 1993	BS EN 310 : 1993 <i>Wood-based panels. Determination of modulus of elasticity in bending and of bending strength</i>
EN 317 : 1993	BS EN 317 : 1993 <i>Particleboards and fibreboards. Determination of swelling in thickness after immersion in water</i>
EN 318 : 1993	BS EN 318 : 1993 <i>Fibreboards — Determination of dimensional changes associated with changes in relative humidity</i>
EN 319 : 1993	BS EN 319 : 1993 <i>Particleboards and fibreboards. Determination of tensile strength perpendicular to the plane of the board</i>
EN 320 : 1993	BS EN 320 : 1993 <i>Fibreboards — Determination of resistance to axial withdrawal of screws</i>
EN 321 : 1993	BS EN 321 : 1993 <i>Fibreboards. Cyclic tests in humid conditions</i>
EN 322 : 1992	BS EN 322 : 1993 <i>Wood-based panels. Determination of moisture content</i>
EN 323 : 1992	BS EN 323 : 1993 <i>Wood-based panels. Determination of density</i>
	BS EN 324 : 1993 <i>Wood-based panels. Determination of dimensions of boards</i>
EN 324-1 : 1993	Part 1 : 1993 <i>Determination of thickness, width and length</i>
EN 324-2 : 1993	Part 2 : 1993 <i>Determination of squareness and edge straightness</i>
EN 326-1 : 1993	BS EN 326-1 <i>Wood-based panels. Sampling, cutting and inspection</i>
	Part 1 : 1993 <i>Sampling and cutting of test pieces and expression of test results</i>
prEN 326-2	Wood-based panels — <i>Sampling, cutting and inspection — Part 2 : Quality control in the factory</i>
prEN 326-3	Wood-based panels — <i>Sampling, cutting and inspection — Part 3 : Inspection of a consignment of panels</i>
	BS EN 335-3 <i>Durability of wood and wood-based products — Definition of hazard classes of biological attack</i>
EN 335-3 : 1995	Part 3 : 1996 <i>Application to wood-based panels</i>

EN 594 : 1995	BS EN 594 : 1996 <i>Timber structures — Test methods — Racking strength and stiffness of timber frame wall panels</i>
EN 596 : 1995	BS EN 596 : 1995 <i>Timber structures — Test methods — Soft body impact test of timber framed walls</i>
EN 789 : 1995	BS EN 789 : 1996 <i>Timber structures — Test methods — Determination of mechanical properties of wood-based panels</i>
EN 1058 : 1995	BS EN 1058 : 1996 <i>Wood-based panels — Determination of characteristic values of mechanical properties and density</i>
EN 1087-1 : 1994	BS EN 1087-1 : 1995 <i>Particleboards. Determination of moisture resistance</i>
EN 1128 : 1995	Part 1: <i>Boil test</i>
prEN 1156	BS EN 1128 : 1996 <i>Cement-bonded particleboards — Determination of hard body impact resistance</i>
prEN 1195	<i>Wood-based panels — Determination of duration of load and creep factors</i>
ENV 1995-1-1 : 1993	<i>Timber structures — Test methods — The performance of structural floor decking</i>
	DD ENV 1995 <i>Eurocode 5: Design of timber structures</i>
	Part 1.1 : 1994 <i>General rules and rules for buildings (together with United Kingdom National Application Document)</i>

Standards prefixed by 'pr' are in preparation, but are available as European prestandards.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, an EN title page, pages 2 to 14, an inside back cover and a back cover.

ICS 01.040.79; 79.060.20

Descriptors: Wooden boards, particle boards, drop wires, classifications, specifications, dimensional tolerances, mechanical properties, tests, marking

English version

Oriented Strand Boards (OSB) — Definitions, classification and specifications

Panneaux de lamelles minces, longues et orientées
(OSB) — Définitions, classification et exigences

Platten aus langen, schlanken, ausgerichteten
Spänen (OSB) — Definitionen, Klassifizierung und
Anforderungen

This European Standard was approved by CEN on 1997-02-27. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© 1997 Copyright reserved to CEN members