BRITISH STANDARD

BS EN 312-5 : 1997

Particleboards — Specifications

Part 5. Requirements for load-bearing boards for use in humid conditions

The European Standard EN 312-5 : 1997 has the status of a British Standard

ICS 79.060.20

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Full document details: BS EN 312-5:1997

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:

APA Engineered Wood Association
Association of British Plywood and Veneer Manufacturers
British Woodworking Federation
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

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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 93/103156 DC

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National foreword

This British Standard has been prepared by Technical Committee B/541 and is the English language version of EN 312-5 : 1997 *Particleboards — Specifications — Part 5: Requirements for load-bearing boards for use in humid conditions*, published by the European Committee for Standardization (CEN).

EN 312-5 : 1997 was produced as a result of international discussions in which the United Kingdom took an active part.

BS EN 312-1, BS EN 312-2, BS EN 312-3, BS EN 312-4, BS EN 312-5, BS EN 312-6 and BS EN 312-7 together supersede BS 5669 : Part 2 : 1989, which will be withdrawn in accordance with CEN provisions within six months of completion of the full package of European Standards covering particleboards and related test methods. These standards are:

EN 120	EN 312-4	EN 322
EN 309	EN 312-5	EN 323
EN 310	EN 312-6	EN 324-1
EN 311	EN 312-7	EN 324-2
EN 312-1	EN 317	EN 325
EN 312-2	EN 319	EN 326
EN 312-3	EN 321	EN 1087-1

The values in table 1 of this standard are in most cases determined and expressed using test methods and statistical procedures which are different from those used to derive the values in tables 1 and 4 of BS 5669 : Part 2 : 1989. Care should therefore be taken in drawing inferences on quality by a simple comparison of the numerical values in the two standards.

Particleboards conforming to this standard may be referred to as P5 boards.

Cross-references

Publication referred to	Corresponding British Standard
EN 310 : 1993	BS EN 310 : 1993 *Wood-based panels — Determination of modulus of elasticity in bending and of bending strength*
EN 311 : 1992	BS EN 311 : 1992 *Particleboards — Surface soundess of particleboards, test method*
EN 312-1 : 1996	BS EN 312 *Particleboards — Specifications* Part 1 : 1997 *General requirements for all board types*
EN 317 : 1993	BS EN 317 : 1993 *Particleboards and fibreboards — Determination of swelling in thickness after immersion in water*
EN 318 : 1993	BS EN 318 : 1993 *Fibreboards — Determination of dimensional changes associated with changes in relative humidity*
EN 319 : 1993	BS EN 319 : 1993 *Particleboards and fibreboards — Determination of tensile strength perpendicular to the plane of the board*
EN 321 : 1993	BS EN 321 : 1993 *Fibreboards — Cyclic tests in humid conditions*
EN 323 : 1992	BS EN 323 : 1993 *Wood-based panels — Determination of density*

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EN 326-1 : 1993	BS EN 326 *Wood-based panels — Sampling, cutting and inspection* Part 1 : 1994 *Sampling and cutting of test pieces and expression of test results*
EN 1087-1 : 1994	BS EN 1087 *Particle boards — Determination of moisture resistance* Part 1 : 1995 *Boil test*

The following standards are referred to informatively in EN 312-5:

EN 300 : 1997	BS EN 300 : 1997 *Oriented strand boards (OSB) — Definitions, classification and specifications*
ENV 1995-1-1 : 1993	DD ENV 1995 *Eurocode 5: Design of timber structures* Part 1.1 : 1994 *General rules and rules for buildings (together with United Kingdom National Application Document)*
EN 335-3 : 1995	BS EN 335 *Hazard classes of wood and wood-based products against biological attack* Part 3 : 1996 *Application to wood-based panels*
EN 789 : 1995	BS EN 789 : 1996 *Timber structures — Test methods — Determination of mechanical properites of wood-based panels*
EN 1058 : 1995	BS EN 1058 : 1996 *Wood-based panels — Determination of characteristic values of mechanical properties and density*

Standards mentioned in the text which are 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.

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