

PD CEN/TS 16368:2014



BSI Standards Publication

Lightweight Particleboards — Specifications

bsi.

...making excellence a habit.™

National foreword

This Published Document is the UK implementation of CEN/TS 16368:2014.

The UK committee voted negatively against this Technical Specification on the basis that the formaldehyde testing requirements are out of line with those of Annex B of the harmonised standard EN 13986.

It is the view of the UK committee that there should be derived test method limits for formaldehyde i.e. EN 120 and EN 717-2. In addition, there should be a formaldehyde class E2. Both of which will bring it in line with Annex B of EN 13986.

The UK participation in its preparation was entrusted to Technical Committee B/541, Wood based panels.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2014.
Published by BSI Standards Limited 2014

ISBN 978 0 580 76829 3
ICS 79.060.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 April 2014.

Amendments, corrigenda issued since publication

Date	Text affected
------	---------------

ICS 79.060.20

English Version

Lightweight Particleboards - Specifications

Panneaux de particules légers - Spécifications

Leichte Spanplatten - Anforderungen

This Technical Specification (CEN/TS) was approved by CEN on 13 January 2014 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
Foreword.....		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Classification of boards	5
5	General requirements for all board types	5
6	Requirements	6
7	Requirements for general purpose lightweight boards for use in dry conditions (Type LP1)	6
8	Requirements for general purpose (including furniture) lightweight boards for use in dry conditions (Type LP2)	6
9	Supplementary properties	7
10	Verification of compliance	7
10.1	General.....	7
10.2	External control.....	7
10.3	Factory production control.....	8
11	Marking	8
Bibliography.....		9

Foreword

This document (CEN/TS 16368:2014) has been prepared by Technical Committee CEN/TC 112 "Wood-based panels", the secretariat of which is held by DIN.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Currently in preview, click buy full version.

1 Scope

This European Technical Specification specifies the requirements for uncoated particleboards for use in dry conditions in non load-bearing applications with density below 600 kg/m³.

This Technical Specification applies to particleboard which is mostly homogenous and continuous in its composition and which does not contain hollow spaces, chambers or other type of cavities which can be encountered as honeycombs in sandwich panels or as tubes in extruded boards.

This Technical Specification does not give requirements for extruded particleboards (see EN 14755), flaxboards (see EN 15197) and sandwich panels.

NOTE Typical applications for lightweight boards are in furniture and non-structural applications e.g. in doors, packaging.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 310, *Wood-based panels — Determination of modulus of elasticity in bending and of bending strength*

EN 311, *Wood-based panels — Surface soundness — Test method*

EN 317, *Particleboards and fibreboards — Determination of swelling in thickness after immersion in water*

EN 318, *Wood-based panels — Determination of dimensional changes associated with changes in relative humidity*

EN 319, *Particleboards and fibreboards — Determination of tensile strength perpendicular to the plane of the board*

EN 322, *Wood-based panels — Determination of moisture content*

EN 323, *Wood-based panels — Determination of density*

EN 324-1, *Wood-based panels — Determination of dimensions of boards — Part 1: Determination of thickness, width and length*

EN 324-2, *Wood-based panels — Determination of dimensions of boards — Part 2: Determination of squareness and edge straightness*

EN 326-1, *Wood-based panels — Sampling, cutting and inspection — Part 1: Sampling and cutting of test pieces and expression of test results*

EN 326-2, *Wood-based panels — Sampling, cutting and inspection — Part 2: Initial type testing and factory production control*

EN 326-3, *Wood-based panels — Sampling, cutting and inspection — Part 3: Inspection of an isolated lot of panels*

EN 717-1, *Wood-based panels — Determination of formaldehyde release — Part 1: Formaldehyde emission by the chamber method*

ISO 3340, *Fibre building boards — Determination of sand content*