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BS EN 14322:2017



BSI Standards Publication

Wood-based panels — Melamine faced board for interior uses — Definition, requirements and classification

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This British Standard is the UK implementation of EN 14322:2017. It supersedes BS EN 14322:2004 which is withdrawn.

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.

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English Version

Wood-based panels - Melamine faced board for interior uses - Definition, requirements and classification

Panneaux à base de bois - Panneaux surfacés
mélaminés pour usages intérieurs - Définition,
exigences et classification

Holzwerkstoffe - Melaminbeschichtete Platten zur
Verwendung im Innenbereich - Definition,
Anforderungen und Klassifizierung

This European Standard was approved by CEN on 9 January 2017.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 14322:2017) has been prepared by Technical Committee CEN/TC 112 "Wood-based panels", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

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

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This document supersedes EN 14322:2004.

Compared to EN 14322:2004 the following modifications have been made:

- a) extension of the scope to extruded particleboards and sandwich boards for furniture;
- b) classification by resistance to abrasion only linked to initial wear point;
- c) deletion of resistance to cigarette burns in Table A.1; and addition of resistance to axial withdrawal of screws;
- d) modification in Annex B for formaldehyde release with replacement of EN 717-2 by EN ISO 12460-3.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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1 Scope

This European Standard specifies the surface requirements and dimensional tolerances for decorative melamine faced boards for interior use which are common for particleboards, extruded particleboards fibreboards and sandwich boards for furniture.

This standard does not apply to boards laminated with so called priming foils or finish foils and laminates according to EN 438-1.

This standard does not apply to laminate floor coverings.

Melamine faced wood-based boards in accordance with this standard may be referred to as MFB.

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

EN 320, *Particleboards and fibreboards — Determination of resistance to axial withdrawal of screws*

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

EN 14323, *Wood-based panels — Melamine faced boards for interior uses — Test methods*

EN ISO 12460-3, *Wood-based panels — Determination of formaldehyde release — Part 3: Gas analysis method (ISO 12460-3)*

3 Terms and definitions

For the purposes of this document, the following term and definition applies.

3.1

melamine faced board

MFB

board manufactured by directly applying uncured aminoplastic resin impregnated papers to one or both faces of board substrates and achieving bonding and curing in the same process using heat and pressure but without the use of an intermediate adhesive

Note 1 to entry: The resin of the surface layer is an aminoplastic resin (mainly melamine resin).

Note 2 to entry: The board surfaces can be smooth or structured on one or both faces and the outer surfaces having decorative colours or design.