

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

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English Version

Wood-based panels - Melamine faced boards 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 24 October 2021.

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European foreword

This document (EN 14322:2021) 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of an identical text or by endorsement, at the latest by May 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

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 supersedes EN 14322:2017.

Compared to EN 14322:2017 the following modifications have been made:

- a) spectral measurement technology added as an option in 5.1 to determine colour matching.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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

1 Scope

This document 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 document is not applicable to boards laminated with so called priming foils or finish foils and laminates according to EN 438-1 and EN 438-2.

This document is not applicable to laminate floor coverings.

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

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. 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 14323:2021, *Wood-based panels - Melamine faced boards for interior uses - Test methods*

EN ISO 11664-6, *Colorimetry - Part 6: CIEDE2000 Colour-difference formula (ISO/CIE 11664-6)*

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

ISO 13655, *Graphic technology - Spectral measurement and colorimetric computation for graphic arts images*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

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.