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BS EN 14323:2017



BSI Standards Publication

Wood-based panels — Melamine faced boards for interior uses — Test methods

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This British Standard is the UK implementation of EN 14323:2017. It supersedes BS EN 14323:2004 which is withdrawn.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.

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English Version

Wood-based panels - Melamine faced boards for interior uses - Test methods

Panneaux à base de bois - Panneaux surfacés
mélaminés pour usages intérieurs - Méthodes d'essais

Holzwerkstoffe - Melaminbeschichtete Platten zur
Verwendung im Innenbereich - Prüfverfahren

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

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European foreword

This document (EN 14323:2017) 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of an identical text or by endorsement, at the latest by September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.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 14323:2004.

Compared to EN 14323:2004 the following modifications have been made:

- a) reference to new EN 438-2:2016;
- b) change for light source in 5.4.2 and 5.6.3;
- c) to principle of resistance to scratching in 5.5.1;
- d) deletion of wear point for resistance to abrasion in 5.9;
- e) deletion of resistance to cigarette burn in 5.10.

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 test methods for the determination of characteristics of melamine faced boards (MFB) as defined in EN 14322.

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

EN 438-2:2016, *High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins (usually called laminates) — Part 2: Determination of properties*

EN ISO 2813, *Paints and varnishes — Determination of gloss value at 20°, 60° and 85° (ISO 2813)*

EN ISO 3668, *Paints and varnishes — Visual comparison of the colour of paints (ISO 3668)*

EN ISO 4892-2:2013, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps (ISO 4892-2:2013)*

ISO 9352, *Plastics — Determination of resistance to wear by abrasive wheels*

3 Test pieces

The test pieces for the following tests shall be taken at least 150 mm from the edge of the product. When needed, the longitudinal or transverse direction of the decorative surface shall be specified by the manufacturer for the tests on the products.

4 Conditioning of test pieces

Unless specified otherwise for the individual tests, the test pieces shall be tested in the received state.

In cases of dispute or for type approval, the test pieces shall be conditioned in an atmosphere of (23 ± 2) °C and (50 ± 5) % relative humidity to constant mass prior to testing.

5 Test methods

5.1 Dimensions (thickness, length and width)

These properties shall be determined in accordance with EN 324-1.

5.2 Flatness

5.2.1 Principle

Flatness is determined by measuring the maximal deviation of the board surface from a metal straight edge placed at two selected positions parallel to the long and short edges of the board or panel.

5.2.2 Apparatus

Straight edge, of $(1\ 000 \pm 1)$ mm length, with dial indicator gauge (comparator) graduated to permit a reading accuracy of 0,1 mm.