

|            |                                                                                                          |                                        |
|------------|----------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>STN</b> | <b>Dosky na báze dreva<br/>Dosky s melamínovým povrchom na vnútorné<br/>použitie<br/>Skúšobné metódy</b> | <b>STN<br/>EN 14323</b><br><br>49 2516 |
|------------|----------------------------------------------------------------------------------------------------------|----------------------------------------|

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

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/22

Obsahuje: EN 14323:2021

Oznámením tejto normy sa ruší  
STN EN 14323 (49 2516) zo septembra 2017

**134342**

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 14323**

November 2021

ICS 79.060.20

Supersedes EN 14323:2017

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 24 October 2021.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN 14323:2021 (E)**

| <b>Contents</b>                                                         | <b>Page</b> |
|-------------------------------------------------------------------------|-------------|
| <b>European foreword .....</b>                                          | <b>3</b>    |
| <b>1 Scope.....</b>                                                     | <b>4</b>    |
| <b>2 Normative references.....</b>                                      | <b>4</b>    |
| <b>3 Terms and definitions .....</b>                                    | <b>4</b>    |
| <b>4 Test pieces .....</b>                                              | <b>4</b>    |
| <b>5 Conditioning of test pieces .....</b>                              | <b>4</b>    |
| <b>6 Test methods .....</b>                                             | <b>5</b>    |
| <b>6.1 Dimensions (thickness, length and width).....</b>                | <b>5</b>    |
| <b>6.2 Flatness.....</b>                                                | <b>5</b>    |
| <b>6.3 Edge damage.....</b>                                             | <b>5</b>    |
| <b>6.4 Surface defects .....</b>                                        | <b>6</b>    |
| <b>6.5 Resistance to scratching.....</b>                                | <b>7</b>    |
| <b>6.6 Resistance to staining.....</b>                                  | <b>8</b>    |
| <b>6.7 Resistance to cracking.....</b>                                  | <b>9</b>    |
| <b>6.8 Colour comparison and surface texture .....</b>                  | <b>10</b>   |
| <b>6.9 Resistance to abrasion of the decorative surface layer .....</b> | <b>14</b>   |
| <b>6.10 Resistance to water vapour.....</b>                             | <b>15</b>   |
| <b>6.11 Resistance to colour change in xenon arc light.....</b>         | <b>15</b>   |
| <b>6.12 Gloss level .....</b>                                           | <b>16</b>   |
| <b>6.13 Resistance to impact by large-diameter steel ball.....</b>      | <b>17</b>   |
| <b>7 Test report.....</b>                                               | <b>17</b>   |
| <b>Annex A (informative) Staining agents .....</b>                      | <b>19</b>   |
| <b>Annex B (normative) Similarity index.....</b>                        | <b>21</b>   |
| <b>Annex C (normative) CQA index .....</b>                              | <b>22</b>   |
| <b>Bibliography .....</b>                                               | <b>23</b>   |

## **European foreword**

This document (EN 14323:2021) 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 14323:2017.

Compared to EN 14323:2017 the following modifications have been made:

- a) spectral measurement technology added as an option in 6.8.3 and 6.8.4 to determine colour comparison.

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.

**EN 14323:2021 (E)****1 Scope**

This document specifies test methods for the determination of characteristics of melamine faced boards (MFB) in accordance with EN 14322.

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

EN 438-2:2016+A1:2018, *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 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)*

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

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

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

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**