



BS EN 14951:2026

BSI Standards Publication

Solid hardwood panelling and
cladding — Machined profiles



National foreword

This British Standard is the UK implementation of EN 14951:2026. It supersedes BS EN 14951:2006, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/543, Round and sawn timber.

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

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EUROPÄISCHE NORM

EN 14951

July 2026

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Supersedes EN 14951:2006

English Version

Solid hardwood panelling and cladding - Machined profiles

Lambris et bardages en bois massif feuillus - Lames
profilées usinées

Innen- und Außenbekleidungen aus massivem
Laubholz - Profilholz

This European Standard was approved by CEN on 4 June 2026.

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European foreword

This document (EN 14951:2026) has been prepared by Technical Committee CEN/TC 175 “Round and sawn timber”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by January 2027, and conflicting national standards shall be withdrawn at the latest by January 2027.

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 14951:2006.

In comparison with the previous edition, the following technical modifications have been made:

- alignment of the series of product standards: EN 14519, EN 15146 and EN 14951;
- scope, normative references and terms and definitions updated;
- ranges of moisture content for panelling and cladding were specified more precisely
- CEN/TS 12169 was referenced for sampling methods instead of Annex B;
- clauses “Technical specifications” and “Marking” were merged and aligned;
- Annex B deleted.

This document is one of a series of standards concerning solid wood panelling and cladding and wood flooring (including parquet).

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, Türkiye and the United Kingdom.

1 Scope

This document specifies characteristics of solid wood panelling and cladding with or without tongue and groove machined from hardwoods (wood of trees of the botanical group dicotyledons).

Products are intended for interior or exterior use.

This document covers treated, untreated and surface treated products, including those made of thermally and chemically modified wood, as well as finger jointed products.

This document does not cover processes for treatment, surface coating or modification.

NOTE Where further regulatory provisions (e.g. durability, reaction to fire, dangerous substances and generally CE-marking according to CPR) are required, harmonized EN 14915 applies.

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 844, *Round and sawn timber — Terminology*

EN 1309-3, *Round and sawn timber — Methods of measurements — Part 3: Features and biological degradations*

EN 13183-1, *Moisture content of a piece of sawn timber — Part 1: Determination by oven dry method*

EN 13183-2, *Moisture content of a piece of sawn timber — Part 2: Estimation by electrical resistance method*

EN 13183-3, *Moisture content of a piece of sawn timber — Part 3: Estimation by capacitance method*

EN 13307-1, *Timber blanks and semi-finished profiles for non-structural uses — Part 1: Requirements*

EN 13647, *Wood flooring and wood panelling and cladding — Determination of geometrical characteristics*

EN 13756, *Wood flooring and parquet — Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13756, EN 844, and the following apply.

ISO and IEC maintain terminology 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 panelling

elements of solid wood mainly for interior use which have been machined on the face and have been regularised on the back

3.2

cladding

elements of solid wood mainly for exterior use which have been machined on the face and have been regularised on the back

3.3

face

visible surfaces of an element when installed

Note 1 to entry: This includes edges and chamfers.

3.4

regularised

<hit or missed> feature of the surface of an element where some areas of a face remain untouched during the planning process

3.5

tongue and groove

elements with groove on one edge and a corresponding tongue on the opposite edge (or similar interlocking profiles)

3.6

end matching

profile at the end of the panelling or cladding including tongue and/or groove

4 Symbols and abbreviations

Symbols and abbreviations used in this document are given in Figure 1 and Figure 2 and in Table 10 and Table 11.

5 Requirements

5.1 General

The hardwood species shall be selected with regard to the appearance expected, the suitability for the intended purpose and the general characteristics of the species itself. All requirements apply at the time of production, unless otherwise specified.

Finger jointing according to EN 13307-1 is permitted if agreed upon and specified e.g. by the manufacturer.

NOTE Regarding the bonding and glue type other standards and regulations can apply.

5.2 Grading

5.2.1 General

Grading applies to the face only, unless otherwise specified. Machining requirements are covered in 5.4.4 and apply to all grades of all species.

The measurement of features shall be in accordance with EN 1309-3.

The elements may be finished with surface coating. The grading shall be done before coating.

Additionally, to the grading classes given in 5.2.2 different grading classes and quality criteria for panelling and cladding exist on national and company levels in Europe. Hence, free grades according to 5.2.3 may also be used

5.2.2 Grading classes

Grading classes and the features for hardwoods are given in Tables 1 to 9.

A combined grading class, e.g. A/B, is permitted if agreed upon and specified e.g. by the manufacturer.

Table 1 — Grading classes for oak (*Quercus* spp.)

Face of the element		
Features ^{b c}	Grade	
	A	B
Sound sapwood^a	Not permitted for exterior use, permitted for interior use	Not permitted for exterior use, permitted for interior use
Knots^d Sound and intergrown Unsound knots (if not in clusters)	Permitted if: ≤ 20 % of the width of the element diameter ≤ 2 mm	Permitted if: ≤ 50 % of the width of the element diameter ≤ 10 mm
Checks	Total length ≤ one width of the element per meter.	Total length ≤ 2 width of the element per meter.
Split	Not permitted	Total length ≤ one width of the element per meter.
End shakes (going through the element) for end-matched elements	Not permitted	Total length ≤ 1/2 width of the element
End shakes (going through the element) for non end-matched elements	Total length ≤ 1/2 width of the element	Total length ≤ one width of the element
Bark pockets	Not permitted	All features permitted without limit to size or quantity if these do not impair the use
Slope of grain	Permitted	
Colour variation	Slight variation permitted	
Medullary ray	Permitted	
Biological alteration (Fungal attack, insect damage)	Not permitted	Not permitted, except blue stain and black holes
Non-visible parts		
All features permitted without limit to size or quantity if these do not impair the use. In the case of class A sound sapwood is permitted from the back up to the upper part of the tongue (for elements with tongue) and up to 3 mm for elements without tongue and groove.		
^a Grading applies to the face (see 3.3) only, unless otherwise specified (see 5.2.1). ^b Not more than 5 % of the quantity of the consignment is allowed to be of lower grade. ^c The classification for appearance does not take into account features which may impair the element when installed. ^d Cat paws allowed.		