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English Version

Solid wood panelling and cladding - Characteristics, requirements and marking

Lambris et bardages en bois - Caractéristiques, exigences et marquage

Wand- und Deckenbekleidungen aus Massivholz -Eigenschaften, Anforderungen und Kennzeichnung

This European Standard was approved by CEN on 8 August 2013 and includes Amendment 1 approved by CEN on 10 April 2017.

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

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European foreword

This document (EN 14915:2013+A1:2017) 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of an identical text or by endorsement, at the latest by December 2017, and conflicting national standards shall be withdrawn at the latest by March 2019.

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

This document includes Amendment 1 approved by CEN on 10 April 2017.

This document supersedes At EN 14915:2013 At.

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A] (A).

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Construction Products Regulation (CPR), see informative Annex ZA, which is an integral part of this standard. (4)

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, 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.

1 Scope

This European Standard defines and specifies the relevant characteristics and the appropriate test methods to determine these characteristics for solid wood products to be used as panelling and cladding (including siding) for:

- wall and ceiling panelling for internal use,
- wall and ceiling cladding for external uses.

[A] It provides for the assessment and verification of constancy of performance and the requirements for marking these products. (A)

This European Standard does not cover panels intended for use as stiffening elements.

This European Standard does not cover suspended ceiling in wood panelling and cladding.

This European Standard does not cover the processes for treatment, surface coating or modification.

This European standard does not cover products which are produced from laminated layer section.

This European Standard covers treated, untreated and surface coated products, including those made of thermally or chemically modified wood, as well as finger jointed and edge glued products.

NOTE Prescriptions for surface coating and treatment can be found in documents valid in the place of use.

This European Standard covers products in compliance with EN 14519, EN 15146 and EN 14951, and other solid timber products manufactured for use as panelling and cladding.

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 335:2013, Durability of wood and wood-based products - Use classes: definitions, application to solid wood and wood-based products

 \triangle EN 350, Durability of wood and wood-based products - Testing and classification of the durability to biological agents of wood and wood-based materials \triangle 1

EN 351-1, Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

EN 599-2, Durability of wood and wood-based products — Performance of preventive wood preservatives as determined by biological tests — Part 2: Classification and labelling

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

EN 717-2, Wood based panels — Determination of formaldehyde release — Part 2: Formaldehyde release by the gas analysis method

EN 844-9:1997, Round and sawn timber - Terminology - Part 9: Terms relating to features of sawn timber

EN 1309-1:1997, Round and sawn timber - Method of measurement of dimensions - Part 1: Sawn timber

EN 12664, Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products of medium and low thermal resistance

EN 13501-1, Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests

EN 13556, Round and sawn timber - Nomenclature of timbers used in Europe

EN 13756:2002, Wood flooring - Terminology

EN 13986, Wood-based panels for use in construction — Characteristics, evaluation of conformity and marking

EN ISO 354, Acoustics — Measurement of sound absorption in a reverberation room (ISO 354)

EN ISO 10456:2007, Building materials and products - Hygrothermal properties -Tabulated design values and procedures for determining declared and design thermal values (ISO 10456:2007)

EN ISO 11654, Acoustics — Sound absorbers for use in buildings — Rating of sound absorption (ISO 11654)

EN ISO 12572, Hygrothermal performance of building materials and products - Determination of water vapour transmission properties (ISO 12572)

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