

TÄISPUIDUST SEINA- JA LAEVOODERDIS. OMADUSED,
NÕUDED JA MÄRGISTUS

Solid wood panelling and cladding - Characteristics,
requirements and marking

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 14915:2013+A1:2017 sisaldab Euroopa standardi EN 14915:2013+A1:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 14915:2013+A1:2017 consists of the English text of the European standard EN 14915:2013+A1:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 07.06.2017.	Date of Availability of the European standard is 07.06.2017.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 79.080

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:
Koduleht www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:

Homepage www.evs.ee; phone +372 605 5050; e-mail info@evs.ee

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.

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, 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 United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword.....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions	5
4 Durability against biological attack	5
4.1 Biological durability.....	5
4.2 A₁ Wood A₁ treated against biological attack.....	6
5 Testing, assessment and sampling methods	6
5.1 Reaction to fire.....	6
5.2 Dangerous substances.....	8
5.3 Release of other dangerous substances.....	9
5.4 Water vapour permeability.....	9
5.5 Sound absorption	9
5.6 Thermal conductivity	10
5.7 Resistance to fixing.....	10
6 Assessment and verification of constancy of performance - AVCP	10
6.1 General.....	10
6.2 Type testing.....	11
6.3 Factory production control (FPC)	14
7 Marking, labelling and packaging.....	18
Annex A (informative) Simplified encoding system for solid wood panelling and cladding.....	20
Annex B (informative) General consideration regarding durability of wood.....	21
B.1 General precautions (based on EN 335:2013).....	21
B.2 Natural or conferred durability of solid wood (extract from EN 335:2013)	21
B.3 Construction.....	22
Annex C (normative) Formaldehyde classes	23
C.1 General.....	23
C.2 Panelling and cladding to be tested.....	23
C.3 Materials to be tested	23
Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No. 305/2011	25
ZA.1 Scope and relevant characteristics.....	25
ZA.2 System of Assessment and Verification of Constancy of Performance (AVCP)	26
ZA.3 Assignment of AVCP tasks	26
Bibliography.....	29

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 A1 EN 14915:2013 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

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).

A1 For relationship with EU Construction Products Regulation (CPR), see informative Annex ZA, which is an integral part of this standard. A1

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.

A1 It provides for the assessment and verification of constancy of performance and the requirements for marking these products. **A1**

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*

A1 EN 350, *Durability of wood and wood-based products - Testing and classification of the durability to biological agents of wood and wood-based materials* **A1**

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)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13756:2002, EN 844-9:1997 and EN 1309-1:1997 and the following apply.

3.1

siding

North American term, synonymous with exterior cladding; material attached to exterior of the building wall where length predominates over the other two dimensions, having reduced thickness

3.2

assembled panelling/cladding

products put together, according to their method of assembly as given by the manufacturer (e.g. joined tongue to groove), to form a panelling or cladding assembly

Ⓐ₁ Note 1 to entry: For the purpose of this document panelling relates to interior applications; cladding to exterior applications Ⓐ₁

Ⓐ₁

4 Durability against biological attack

4.1 Biological durability

Ⓐ₁ If sapwood is not specifically excluded this shall be identified. Ⓐ₁

If the species is listed in Ⓐ₁ EN 350 Ⓐ₁, the biological durability shall be as given therein; otherwise it shall be assessed in accordance with Ⓐ₁ EN 350 Ⓐ₁.