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Notranje in zunanje obloge iz masivnega lesa - Lastnosti, vrednotenje skladnosti in označevanje

Solid wood panelling and cladding - Characteristics, evaluation of conformity and marking

Wand- und Deckenbekleidungen aus Massivholz - Eigenschaften, Bewertung der Konformität und Kennzeichnung

Lambris et bardages bois - Caractéristiques, évaluation de conformité et marquage

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Solid wood panelling and cladding - Characteristics, evaluation of conformity and marking

Lambris et bardages bois - Caractéristiques, évaluation de
conformité et marquage

Wand- und Deckenbekleidungen aus Massivholz -
Eigenschaften, Bewertung der Konformität und
Kennzeichnung

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Foreword

This document (FprEN 14915:2013) has been prepared by Technical Committee CEN/TC 175 “Round and sawn timber”, the secretariat of which is held by AFNOR.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 14915:2006.

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 Directive(s), see informative Annex ZA, which is an integral part of this document.

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.

It provides for the evaluation of conformity and the requirements for marking these products.

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.

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

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.

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 335-2:2006, *Durability of wood and wood-based products — Definition of use classes — Part 2: Application to solid wood*

EN 350-1, *Durability of wood and wood-based products — Natural durability of solid wood — Part 1: Guide to the principles of testing and classification of the natural durability of wood*

EN 350-2, *Durability of wood and wood-based products — Natural durability of solid wood — Part 2: Guide to natural durability and treatability of selected wood species of importance in Europe*

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*

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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 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

4 Requirements**4.1 General**

Characteristics shall be assessed and declared when subject to regulatory requirements and may be assessed and declared when not subject to such requirements.

4.2 Characteristics for solid wood panelling for use on internal walls and ceilings

The following characteristics shall be determined:

- reaction to fire: see 5.1,
- release of formaldehyde: see 5.2.1,
- content of pentachlorophenol: see 5.2.2,
- water vapour permeability: see 5.4,