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Wood flooring and wood panelling and cladding — Determination of dimensional stability

bsi.

National foreword

This British Standard is the UK implementation of EN 1910:2016. It supersedes BS EN 1910:2013 which is withdrawn.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 secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Wood flooring and wood panelling and cladding - Determination of dimensional stability

Planchers en bois et lambris et bardages en bois - Détermination de la stabilité dimensionnelle

Holzfußböden und Wand- und Deckenbekleidungen aus Holz - Bestimmung der Dimensionsstabilität

This European Standard was approved by CEN on 20 February 2016.

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

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

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Contents

Page

European foreword

This document (EN 1910:2016) 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of an identical text or by endorsement, at the latest by October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

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1 Scope

This European Standard specifies a method of test to determine the dimensional changes and warp of the elements of wood flooring and wood 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 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 13647, *Wood flooring and wood panelling and cladding — Determination of geometrical characteristics*

EN 13756:2002, *Wood flooring — Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13756:2002 and the following apply.

3.1
twist
deformation of the element lengthwise with a helical pattern

[SOURCE: EN 844-3:1995]

4 Principle

Measure the dimensional changes of the test specimen after initial conditioning in a standard atmosphere and again after conditioning in a specified climate. The test specimen shall be lying in horizontal position in the test chamber. Express the results as a percentage of variation of the relevant dimension measured in the initial standard climatic conditions.

Record the warp and relate to the basis of measurement.

5 Test equipment

5.1 Conditioning room or enclosure

The conditioning room or enclosure shall be equipped with monitoring thermometers and hygrometers. It shall be suitable to condition the test specimen either in:

— climate A, defined by a relative humidity of (65 ± 5) % and a temperature of (20 ± 2) °C;

or

— climate B, defined by a relative humidity of (50 ± 5) % and a temperature of (23 ± 2) °C.