

Timber and wood-based materials in external windows, external door leaves and external doorframes - Requirements and specifications

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14220:2006 sisaldab Euroopa standardi EN 14220:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 21.12.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14220:2006 consists of the English text of the European standard EN 14220:2006.</p> <p>This document is endorsed on 21.12.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard gives principle material requirements for timber and wood-based products in external windows, external door leaves and external doorframes (with or without fixed parts), including those relating to appearance, biological durability and other physical characteristics.</p>	<p>Scope:</p> <p>This European Standard gives principle material requirements for timber and wood-based products in external windows, external door leaves and external doorframes (with or without fixed parts), including those relating to appearance, biological durability and other physical characteristics.</p>
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ICS 79.060.01, 91.060.50

Võtmesõnad: doors of wood, durability, external doors, fold of a folding door, mechanical properties, moisture contents, properties, solid wood, specification (approval), specifications, weather resistance, windows, wood, woodbased sheet materials, wooden boards, wooden windows

English Version

Timber and wood-based materials in external windows, external door leaves and external doorframes - Requirements and specifications

Bois et matériaux à base de bois dans les fenêtres extérieures, les vantaux de portes extérieures et les dormant de portes extérieures - Exigences et spécifications

Holz und Holzwerkstoffe in Außenfenstern, Außentüren und Außentürzargen - Anforderungen und Spezifikationen

This European Standard was approved by CEN on 11 September 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 14220:2006) 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 May 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

This Standard is one of a package to be implemented by 2007.10.31. The Standards included in the Package are:

	Standard Number	Title
1	prEN 942 Revised	Timber in joinery - General requirements
2	EN 13307-1	Timber blanks and semi-finished profiles for non-structural uses – Part 1: Requirements
3	EN 14220	Timber and wood-based materials in external windows, external door leaves and external doorframes – Requirements and specifications
4	EN 14221	Timber and wood-based materials in internal windows, internal door leaves and internal doorframes – Requirements and specifications

Explanation

Standards 3 and 4 rely on both Standards 1 and 2, and Standard 2 relies on 1.

The revised prEN 942 contains changes which directly affect Standards 2, 3 and 4 and therefore shall be available before they can be used effectively.

NOTE Following the completion of the Technical Enquiry for prEN 13307-2 Timber blanks and semi-finished profiles for non-structural uses – Part 2: Production control, it has been agreed to remove this Standard from the package. As a result of the necessary changes it has been agreed to offer prEN 13307-2 as a CEN/TS.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

The classification method given in this standard is applicable to timber and wood-based products after they have been incorporated into complete windows, external door leaves and external doorframes. This standard contains the principle material requirements of timber in wood-based products, the processing of this timber and the components in the final products. Requirements for mechanical aspects are indirectly considered by appearance and density selection.

Characteristics and principles are listed in Table 1 and clauses 5, 6, 7, 8 and 9. Specific national requirements are given in Annex A.

This standard contains two annexes, Annex A "National requirements" and Annex B "Weather exposed faces". Tables A.1 and A.2 of Annex A provide default tables for circumstances where a National Annex is not available.

This standard is part of a series of standards on timber in windows, doors and stairs.

1 Scope

This European Standard specifies principle material requirements for timber and wood-based products in external windows, external door leaves and external doorframes (with or without fixed parts), including those relating to appearance, biological durability and other physical characteristics.

This European Standard applies to assembled windows, external door leaves and external doorframes uncoated or intended to be coated.

If windows or doors are covered by other decorative veneers or films their respective veneer or film Product Standard shall apply.

NOTE For example: Timber veneers may be graded to EN 635: Parts 1, 2, 3 and 5, and ENV 635-4.

2 Normative references

The following referenced documents are indispensable for the application 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 204, *Classification of thermoplastic wood adhesives for non-structural applications*

EN 335-1, *Durability of wood and wood-based products - Definition of use classes - Part 1: General*

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 460, *Durability of wood and wood-based products – Natural durability of solid wood – Guide to the durability requirements for wood to be used in hazard classes*

EN 599-1, *Durability of wood and wood-based products - Performance of preventive wood preservatives as determined by biological tests - Part 1: Specification according to hazard class*

EN 844-3:1995, *Round and sawn timber - Terminology - Part 3: General terms relating to sawn timber*

prEN 942:2006, *Timber in joinery – General requirements*

EN 12765, *Classification of thermosetting wood adhesives for non-structural applications*

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

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

EN 14298, *Sawn timber – Assessment of drying quality*