

Sawn timber - Assessment of drying quality

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14298:2005 sisaldab Euroopa standardi EN 14298:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14298:2005 consists of the English text of the European standard EN 14298:2004.</p> <p>This document is endorsed on 25.01.2005 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 present European standard defines a method of assessment of drying quality. It applies to lots of dried sawn timber or to dried timber which has been planed or surfaced by other means. It applies to both softwood and hardwood with a thickness not greater than 100 mm. Other quality features which are related to drying, e.g. checking, distortions, stain, etc., are specified in standards for visual grading of sawn timber or in product specifications and are not covered by this standard.</p>	<p>Scope:</p> <p>This present European standard defines a method of assessment of drying quality. It applies to lots of dried sawn timber or to dried timber which has been planed or surfaced by other means. It applies to both softwood and hardwood with a thickness not greater than 100 mm. Other quality features which are related to drying, e.g. checking, distortions, stain, etc., are specified in standards for visual grading of sawn timber or in product specifications and are not covered by this standard.</p>
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ICS 79.040

Võtmesõnad: definition, definitions, drainability tests, drying, drying degree, measurements of humidity, measuring techniques, moisture, moisture contents, oven-dry methods, reference methods, sawn timber, stoving, swelling, wood, woodworking

ICS 79.040

English version

Sawn timber - Assessment of drying quality

Bois scié - Estimation de la qualité du séchage

Schnittholz - Ermittlung der Trocknungsqualität

This European Standard was approved by CEN on 2 September 2004.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 14298:2004) 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 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This document defines a method of assessment of drying quality. It applies to a lot of dried sawn timber, a lot of dried planed timber and a lot of dried sawn timber surfaced by other means. It applies to both softwood and hardwood with a thickness not greater than 100 mm.

The quality of drying is expressed in terms of target and average moisture content of the lot as well as defining the moisture content variation between individual pieces expressed as allowable upper and lower limits.

An option for specifying the degree of case-hardening is included.

NOTE 1 Other features related to drying, e.g. checking, distortions, stain, etc., are specified in documents for visual grading of sawn timber or in product specifications and are not covered by this document.

NOTE 2 In the following the term "sawn timber" is used for all dried timber covered by this the scope.

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

EN 844-4:1997, *Round and sawn timber - Terminology – Part 4: Terms relating to structure content*

EN 844-12:2000, *Round and sawn timber - Terminology – Part 12: Additional terms and general index*

EN 1438, *Symbols for timber and wood-based products*

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*

ENV 14464, *Sawn timber – Method for assessment of case-hardening*

ENV 12169, *Criteria for the assessment of conformity of a lot of sawn timber*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 844-3:1995, EN 844-4:1997 and EN 844-12:2000 and the following apply:

3.1

target moisture content (ω_{arg})

desired moisture content of a lot expressed as a single percentage.

3.2

average moisture content (ω_{m})

arithmetic mean of the moisture content of the pieces in a lot

3.3

lot

number of sawn timber pieces of the same thickness for all species and width for softwoods dried to the same specification