

SAEMATERJAL. KUIVATUSKVALITEEDI HINDAMINE

Sawn timber - Assessment of drying quality

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 14298:2017 sisaldab Euroopa standardi EN 14298:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 14298:2017 consists of the English text of the European standard EN 14298:2017.
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.
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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 4 September 2017.

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## European foreword

This document (EN 14298:2017) 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of an identical text or by endorsement, at the latest by April 2018, and conflicting national standards shall be withdrawn at the latest by April 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14298:2004.

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 a method of assessment of drying quality. It applies to a lot of dried sawn timber (surfaced or not). It applies to both softwood and hardwood with a thickness not greater than 100 mm.

The quality of drying is expressed in terms of moisture content: target, average of the lot and variation between the pieces of the lot.

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

NOTE 1 Other features related to drying, e.g. check, shake, warp, 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 scope.

## 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 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 moisture 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*

CEN/TS 12169, *Criteria for the assessment of conformity of a lot of sawn timber*

CEN/TS 14464, *Sawn timber — Method for assessment of case-hardening*

## 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

$\omega_{\text{targ}}$

desired moisture content of a lot expressed as a single percentage

### 3.2

#### average moisture content

$\omega_{\text{m}}$

arithmetic mean of the moisture content measurements of the pieces of a control sample taken from the lot for testing