



SLOVENSKI STANDARD

SIST EN 1311:2001

01-marec-2001

Okrogli in žagani les - Metode merjenja biološke razgradnje lesa

Round and sawn timber - Method of measurement of biological degrade

Rund- und Schnittholz - Verfahren zur Messung von Schadingsbefall

Bois ronds et bois sciés - Méthode de mesure des altérations biologiques

Ta slovenski standard je istoveten z: EN 1311:1997

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ICS:

79.040	Les, hlodovina in žagan les	Wood, sawlogs and sawn timber
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EUROPEAN STANDARD

EN 1311

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Descriptors: wood, sawlogs, sawn timber, measurements, biodegradability

English version

**Round and sawn timber - Method of measurement
of biological degrade**Bois ronds et bois sciés - Méthode de mesure
des altérations biologiquesRund- und Schnittholz - Verfahren zur Messung
von Schädigungsbefall**iteh STANDARD PREVIEW**
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CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENEuropean Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart,36 B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 175 "Round and sawn timber", the Secretariat of which is held by AFNOR.

This standard is one of a series, being methods of measurement for round timber and sawn timber.

Other standards in this series are :

EN 1309 – 1	Round and sawn timber - Method of measurement of dimensions – Part 1: Sawn timber
prEN 1309 – 2	Round and sawn timber - Method of measurement of dimensions – Part 2 : Round timber
EN 1310	Round and sawn timber - Method of measurement of features

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of an identical text or by endorsement, at the latest by October 1997, and conflicting national standards shall be withdrawn at the latest by October 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard specifies the methods of measuring biological degradations (caused by insects; fungi, etc.) taken into account in the visual grading of sawn timber and round timber for appearance or to assess its mechanical properties. It does not apply to the strength grading of structural timber (see EN 518 and EN 519).

This standard applies to hardwood and softwood sawn timber, both square edged and unedged, to processed timber and to round timber. This standard does not apply to tropical timber.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 844 – 1	Round and sawn timber – Terminology – Part 1 :General terms common to round timber and sawn timber
EN 844 – 2	Round and sawn timber – Terminology – Part 2: General terms relating to round timber
EN 844 – 3	Round and sawn timber – Terminology – Part 3: General terms relating to sawn timber
EN 844 – 4	Round and sawn timber – Terminology – Part 4: Terms relating to moisture content
EN 844 – 5	Round and sawn timber – Terminology – Part 5: Terms relating to dimensions of round timber
EN 844 – 6	Round and sawn timber – Terminology – Part 6: Terms relating to dimensions of sawn timber
EN 844 – 7	Round and sawn timber – Terminology – Part 7: Terms relating to anatomical structure of timber

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EN 844 – 8	Round and sawn timber – Terminology – Part 8: Terms relating to features of round timber
EN 844 – 9	Round and sawn timber – Terminology – Part 9: Terms relating to features of sawn timber
prEN 844 – 10	Round and sawn timber – Terminology – Part 10: Terms relating to stain and fungal attack
prEN 844 – 11	Round and sawn timber – Terminology – Part 11: Terms relating to degrade by insects
EN 518	Structural timber – Grading – Requirements for visual strength grading standards
EN 519	Structural timber – Grading – Requirements for machine strength graded timber and grading machines

3 Definitions

For the purposes of this standard the definitions in the standards listed in clause 2 apply.

4 Sawn timber

4.1 Degrade by insects

Note the number of the insect holes and state the major diameter in millimetres.

For a cluster of insect holes, measure the width and/or the length of the rectangle enclosing the cluster, expressed in centimetres or as a percentage of the width and/or the length of the face or edge affected. If there are several clusters on a face or edge, the considered dimensions shall be totalled.

4.2 Fungal degrade

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4.2.1 Stain

Measure the width and/or the length of the rectangle enclosing it, expressed in centimetres or as a percentage of the width and/or the length of the face or edge affected. If there are several stains on a face or edge, the respective dimensions shall be totalled.

4.2.2 Dote or rot

Depending on the grading rule used,

a) not measured, but note their presence.

or

b) Measure the width and/or the length of the rectangle enclosing it, expressed in centimetres or as a percentage of the width and/or the length of the face or edge affected. If there are several affected areas on a face or edge, the respective dimensions shall be totalled.

5 Round timber

5.1 Degrade by insects

Depending on the grading rule used,

a) note insect holes by their presence. Their diameter may be stated in millimetres, also the species of insect causing them.

or

b) state the degree of degrade :

- if local, by the length of the affected area, expressed in centimetres or metres or as a percentage of the length of the round timber.

- if scattered, by the number of insect holes per metre length.

5.2 Fungal degrade

5.2.1 Stain

Not measured, note its presence.

5.2.2 Rot

5.2.2.1 Sapwood rot

Not measured, note its presence.

5.2.2.2 Heartwood rot

Depending on the grading rule used,

a) note its presence,

or

b) measure by stating the diameter of a circle enclosing the area affected , expressed in centimetres or as a percentage of the diameter of the end surface of the round timber.

5.3 Hollow

Depending on the grading rule used,

a) note its presence,

or

b) measure by stating the diameter of a circle enclosing the area affected , expressed in centimetres or as a percentage of the diameter of measurement of the round timber.

5.4 Other degrade

Depending on the type of degrade, the more appropriate method above described shall be applied. The method used shall be specified in the grading rules.

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