

Round and sawn timber — Method of measurement of biological degrade

The European Standard EN 1311 : 1997 has the status of a
British Standard

ICS 79.040

National foreword

This British Standard is the English language version of EN 1311 : 1997.

The UK participation in its preparation was entrusted by Technical Committee B/543, Round and sawn timber, to Subcommittee B/543/1, Timber terminology and measurement, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

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Round and sawn timber — Method of measurement of biological degrade

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des altérations biologiques

Rund- und Schnittholz — Verfahren zur Messung
von Schädlingsbefall

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CEN

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

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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	<i>Round and sawn timber — Method of measurement of dimensions — Part 1: Sawn timber</i>
prEN 1309-2	<i>Round and sawn timber — Method of measurement of dimensions — Part 2: Round timber</i>
EN 1310	<i>Round and sawn timber — Method of measurement of features</i>

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1 Scope

This European Standard specifies the methods of measuring biological degradations (caused by insects, fungi etc.) that are 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	<i>Round and sawn timber — Terminology — Part 1: General terms common to round timber and sawn timber</i>
EN 844-2	<i>Round and sawn timber — Terminology — Part 2: General terms relating to round timber</i>
EN 844-3	<i>Round and sawn timber — Terminology — Part 3: General terms relating to sawn timber</i>
EN 844-4	<i>Round and sawn timber — Terminology — Part 4: Terms relating to moisture content</i>
EN 844-5	<i>Round and sawn timber — Terminology — Part 5: Terms relating to dimensions of round timber</i>
EN 844-6	<i>Round and sawn timber — Terminology — Part 6: Terms relating to dimensions of sawn timber</i>
EN 844-7	<i>Round and sawn timber — Terminology — Part 7: Terms relating to anatomical structure of timber</i>
EN 844-8	<i>Round and sawn timber — Terminology — Part 8: Terms relating to features of round timber</i>
EN 844-9	<i>Round and sawn timber — Terminology — Part 9: Terms relating to features of sawn timber</i>

prEN 844-10	<i>Round and sawn timber — Terminology — Part 10: Terms relating to stain and fungal attack</i>
prEN 844-11	<i>Round and sawn timber — Terminology — Part 11: Terms relating to degrade by insects</i>
EN 518	<i>Structural timber — Grading — Requirements for visual strength grading standards</i>
EN 519	<i>Structural timber — Grading — Requirements for machine strength graded timber and grading machines</i>

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

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:

- not measured, but note their presence; or
- 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 the presence of insect holes; their diameter may be stated in millimetres, and 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 described above shall be applied. The method used shall be specified in the grading rules.

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