

BS EN 1316-2:2012



BSI Standards Publication

Hardwood round timber — Qualitative classification

Part 2: Poplar

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National foreword

This British Standard is the UK implementation of EN 1316-2:2012. It supersedes BS EN 1316-2:1997 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/543, Round and sawn timber.

A list of organizations represented on this committee can be obtained on request to its secretary.

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ISBN 978 0 580 69387 8

ICS 79.040

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 April 2013.

Amendments issued since publication

Date	Text affected
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English Version

Hardwood round timber - Qualitative classification - Part 2:
PoplarBois ronds feuillus - Classement qualitatif - Partie 2:
Peuplier

Laub-Rundholz - Qualitäts-Sortierung - Teil 2: Pappel

This European Standard was approved by CEN on 18 August 2012.

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Foreword

This document (EN 1316-2:2012) 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of an identical text or by endorsement, at the latest by April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

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

This document supersedes EN 1316-2:1997.

This standard is one of a series of standards concerning round timber (softwoods and hardwoods).

Other parts of this standard are:

EN 1316-1, *Hardwood round timber — Qualitative classification — Part 1: Oak and beech*

The main changes compared to the previous edition are:

- a) Clause 4 “qualitative classification” completely revised and classes A to C defined;
- b) Table 1 “grading rules for poplar” revised and new features added;
- c) Editorial revision.

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1 Scope

This European Standard specifies a qualitative classification and grade designations for felled round timber of poplar in the form of long poles or logs.

The classifications describe quality classes of round timbers for which the intended use is not known.

This classification is applicable to all merchantable clones of poplar.

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 844-1:1995, *Round and sawn timber — Terminology — Part 1: General terms common to round timber and sawn timber*

EN 844-2:1997, *Round and sawn timber — Terminology — Part 2: General terms relating to round timber*

EN 844-5:1997, *Round and sawn timber — Terminology — Part 5: Terms relating to dimensions of round timber*

EN 844-7:1997, *Round and sawn timber — Terminology — Part 7: Terms relating to anatomical structure of timber*

EN 844-8:1997, *Round and sawn timber — Terminology — Part 8: Terms relating to features of round timber*

EN 844-10:1998, *Round and sawn timber — Terminology — Part 10: Terms relating to stain and fungal attack*

EN 1309-2, *Round and sawn timber — Method of measurement of dimensions — Part 2: Round timber — Requirements for measurement and volume calculation rules*

EN 1310, *Round and sawn timber — Method of measurement of features*

EN 1311, *Round and sawn timber — Method of measurement of biological degrade*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 844-1:1995, EN 844-2:1997, EN 844-5:1997, EN 844-7:1997, EN 844-8:1997 and EN 844-10:1998 apply.

4 Qualitative classification

4.1 Grading principles

Each long pole, log or portion of a round timber individualized by a theoretical crosscut point, is qualified according to its dimensions and to the presence, size, and distribution (e.g. concentration) of specific features.

4.2 Designation of grades

Standardized designation of classes includes 3 characters, the last one separated by a dash:

- the first and second characters are the genus initial and first letter in Latin;
- the third character indicates the quality class.

The classification of poplar is divided into three quality classes:

- Po-A is an exceptional quality class;
- Po-B is a normal quality class;
- Po-C is a quality class, which includes long poles, logs or portions of long poles not permitted in the other quality classes.

For class Po-C, more than 40 % of the volume of the wood shall be useable.

4.3 Features to be taken into account for the classification

Table 1 gives the features taken into account in this classification and these shall be measured according to EN 1309-2, EN 1310 and EN 1311.

A long pole, log or portion of round wood shall be downgraded by its failure to meet the requirements of any single feature.

Length and diameter shall be measured using the method stated in EN 1309.

A culling may be specified by contract for the following features: bark pocket, burl, buckle, felling shake, shear, dot, rot, canker, carbonized wood, scar, foreign bodies, mistletoe, bird peck, dry side.

5 Table of rules for grading

Table 1 — Grading rules for Poplar

Features	Class		
	Po-A	Po-B	Po-C
(1) dimension minimum length minimum mid diameter under bark ^a	2,5 m ^b 30 cm ^b	2 m ^b 25 cm ^b	2 m ^b 20 cm ^b
(2) sound knots	1 (≤ 6 cm) per 2,5 m ^c	1 (≤ 12 cm) per 1 m; or 1 branch whorl per 2 m (every single knot ≤ 8 cm)	≤ 12 cm permitted
(3) unsound knots	not permitted	not permitted	1 (≤ 12 cm) per 1 m
(4) simple sweep	< 2 cm/m	< 5 cm/m	unlimited
(5) ovality	< 10 %	unlimited	unlimited
(6) heart shake	no traversing cracks	length of the crack on the surface shall be smaller than half of the mid diameter	permitted
(7) ring shake	not permitted	permitted in the central 15 % of the radius on the butt end only	permitted in the central 15 % of the radius on the butt end only
(8) frost crack	not permitted	not permitted	permitted
(9) rot	not permitted	not permitted	not permitted
(10) insect attack	not permitted	not permitted	permitted
^a contractors need to agree on a bark reduction ^b except clauses stipulated by contract ^c not permitted for veneer logs			

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BSI Group Headquarters

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