



NSAI
Standards

Irish Standard
I.S. EN 1912:2012

Structural Timber - Strength classes - Assignment of visual grades and species

I.S. EN 1912:2012

Incorporating amendments/corrigenda/National Annexes issued since publication:
EN 1912:2012/AC:2013

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This document replaces:
EN 1912:2004+A4:2010

This document is based on:
EN 1912:2012

Published:
30 April, 2012

This document was published under the authority of the NSAI and comes into effect on:
30 April, 2012

ICS number:

79.040

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Údarás um Chaighdeáin Náisiúnta na hÉireann

I.S. EN 1912:2012

EUROPEAN STANDARD

EN 1912:2012/AC

NORME EUROPÉENNE

August 2013

EUROPÄISCHE NORM

Août 2013

August 2013

ICS 79.040

English version
Version Française
Deutsche Fassung

Structural Timber - Strength classes - Assignment of visual grades and species

Bois de structure - Classes de résistance -
Affectation des classes visuelles et des
essences

Bauholz für tragende Zwecke -
Festigkeitsklassen - Zuordnung von
visuellen Sortierklassen und Holzarten

This corrigendum becomes effective on 21 August 2013 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 21 août 2013 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 21. August 2013 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Ref. No.: EN 1912:2012/AC:2013 D/E/F

1 Modifications to Clause 6, Table 1 Assignment of grades of conifer and poplar species to strength classes

Add in the row C27 for France, "Pines" (4th column), "France" (5th column) and "37,47" (6th column).

Delete in the row C24 for France, the identification "44" for Pines.

Add in the row C22 for Germany, the grade "LS10L & better".

Replace in the row C22 for Italy, the grade "S2 &" for Larch with "S2 & better" and replace "better" for Douglas fir with "S2".

Delete in the row C18 for France, the identification "44" for Pines.

Add the line at the end of the table for France under the strength class C14.

Strength Class	Grading rule publishing country	Grade (see Note 2)	Species commercial name	Source	Botanical identification (see Table 3)	Comments
C27	France	ST-I	Larch	France	15	
			Pines	France	39,47	
C24	France	ST-II	Spruce & Fir	France	1, 22	
		ST-II	Douglas Fir	France	54	
		ST-II	Pines	France	39, 47	
		ST-II	Poplar (see note 1)	France	50	
		ST-II	Larch	France	15	
C22	Germany	LS10 & better LS10K & better	Poplar	Germany	51	
	Italy	S2 & better S2	Larch Douglas fir	Italy Italy	15 54	
C18	France	ST-III	Spruce & fir	France	1, 22	
		ST-III	Douglas fir	France	54	
		ST-III	Pines	France	39, 47	
		ST-III	Poplar (see note 3)	France	50	
		ST-III	Larch	France	15	
C14	France	ST-IV	Pines	France	39, 47	

2 Modifications to Clause 6, Table 2 Assignment of grades of hardwood species to strength classes

Delete in the row D50, all the information for the row France.

Add in the row D40 for Germany, the grades "LS13K", "LS10K and better".

Add in the row D35 for Germany, the grade "LS10K and better".

Add in the row D30 for Germany, for both oak and maple, "and better" for the grade LS10 and "LS10K and better".

Strength class	Grading rule publishing country	Grade (see Note 1)	Species commercial Name	Source	Botanical identification (see Table 4)	Comments
D40	Germany	LS 13, LS13K	Beech	Germany	119	
		LS10 and better, LS 10K and better	Ash	Germany	131	
D 35	Germany	LS 10, and better, LS 10K and better	Beech	Germany	119	
D30	Germany	LS10 and better, LS10K and better	Oak	Germany	122, 123	
		LS10 and better, LS10K and better	Maple	Germany	75	

3 Modifications to Annex A, Table A.1 Grading standards

Replace in the row for Austria 3rd column, the reference "DIN 4074-1:2009+A.1:2012" with "DIN 4074-1:2012".

Add in the row for France, 2nd column, the grade "ST IV" and replace the grade "HSR" with "HSST1".

Add in the row for Germany, 2nd column, the grades "S13K", "S10K", "S7K", "LS13K" and "LS10K and better".

Replace in the row for Germany, 3rd column, 1st line, "2003" with "2012".

Replace in the row for the UK, 3rd column, "BS 4978:2007" with "BS 4978:2007+A1:2011".

Replace in the row for the UK, 3rd column, "BS 5756:2007" with "BS 5756:2007+A1:2011".

Grading rule publishing country	Grade	Grading standard
Austria	S13, S13K S10, S10K S7, S7K	Austrian Standard OENORM DIN 4074-1:2012 (sortiert als Kantholz) (graded as joist) Sortierung von Holz nach der Tragfähigkeit,-Teil 1: Nadelschnittholz
France	ST-I ST-II ST-III ST IV HSST1	French Standard NF B 52-001-1:2011 Règles d'utilisation du bois dans les constructions; Classement visuel pour emploi en structure pour les principales essences résineuses et feuillues
Germany	S13, S13K S10, S10K S7, S7K LS13, LS13K LS10 and better, LS10 K and better	German Standard DIN 4074 Teil 1 (sortiert als Kantholz) (graded as joist) Sortierung von Holz nach der Tragfähigkeit,- Teil 1: Nadelschnittholz, 2012 German Standard DIN 4074 Teil 5 (sortiert als Kantholz) (graded as joist) Sortierung von Holz nach der Tragfähigkeit - Teil 5: Laubschnittholz, 2003
UK	SS GS HS TH1	British Standard BS 4978:2007 +A1:2011 Visual strength grading of softwood British Standard BS 5756:2007 +A1:2011 Visual strength grading of hardwood

English Version

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Bauholz für tragende Zwecke - Festigkeitsklassen - Zuordnung von visuellen Sortierklassen und Holzarten

This European Standard was approved by CEN on 9 March 2012.

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 CEN-CENELEC Management Centre or to any CEN member.

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Foreword

This document (EN 1912:2012) has been prepared by Technical Committee CEN/TC 124 "Timber structures", 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 October 2012, and conflicting national standards shall be withdrawn at the latest by October 2012.

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 1912:2004+A4:2010.

This revised version contains assignments of additional grades and species.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard lists the visual strength grades, species and sources of timber, and specifies the strength classes to which they are assigned, as documented in EN 338.

NOTE For the grades, species and sources included, there is a long history of use and/or satisfactory test data. The sources listed therefore are largely determined by existing commercial practice.

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 384, *Structural timber — Determination of characteristic values of mechanical properties and density*

EN 14081-1, *Timber structures — Strength graded structural timber with rectangular cross section — Part 1: General requirements*

EN 14081-2, *Timber structures — Strength graded structural timber with rectangular cross section — Part 2: Machine grading; additional requirements for initial type testing*

EN 14081-3, *Timber structures — Strength graded structural timber with rectangular cross section — Part 3: Machine grading; additional requirements for factory production control*

EN 14081-4, *Timber structures — Strength graded structural timber with rectangular cross section — Part 4: Machine grading; grading machine settings for machine controlled systems*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

timber source

geographical area of growth of the trees from which the timber is sawn

3.2

timber species

individual species or combination of species

3.3

Nordic countries

Denmark, Finland, Iceland, Norway and Sweden

4 Symbols and abbreviations

CNE Europe Central, Northern and Eastern Europe

NNE Europe Northern and North Eastern Europe

NC Europe Northern and Central Europe

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