

CEN TC124 WG2 TG1 APPROVED GRADING REPORT (AGR) VISUAL GRADING

This report is supplemental to EN 1912:2024

It contains revised and/or additional assignments that will be included in the next version of EN 1912

These are assignments approved by CEN TC124 WG2 TG1 since publication of EN 1912

EN 1912:2012 incorporating corrigendum August 2013

REFERENCE TO STANDARDS

Clause 6 of EN 1912:2024 contains the following paragraph:

“The assignments to strength classes given in this document are based on approved grading reports (AGRs) accepted by CEN/TC 124, other testing reports, or proven practice over time. Further assignments in future versions of this standard shall be approved by CEN/TC 124 based on AGRs. A current list of reports is available through CEN/TC 124 secretariat. Further AGRs may be used as documentation before the information they contain becomes available in an amendment or revision of EN 1912. In the event of any discrepancy between an earlier dated AGR and this standard, this standard shall take precedence.”

Note that the previously used term ITT was changed to AGR in 2016. Clause 5.1.2 of EN 14081-1:2016+A1:2019 contains the following paragraph:

“If the grade and species or species combination have been assigned to a strength class by EN 1912, the characteristic values for the properties shall be those given for the assigned strength class in EN 338. Assignments according to EN 384 to be included in EN 1912 should be reported and evaluated by CEN/TC124. Accepted reports shall be documented in Approved Grading Reports (AGR).”

This AGR is a document to which the above paragraphs refers and may therefore be used to support visual grading prior to a further revision of EN 1912. This includes also grading to EN 14081-1:2005+A1:2011.

VALIDITY

The assignments listed in the following tables, which are the subjects of the research report listed in the table have been assessed by CEN TC124/WG2/TG1 and are approved for use in the production of structural timber to EN 14081-1 from the date of this report. This document is superseded by any later dated versions of this AGR-VISUAL and any later dated version of EN 1912.

On behalf of CEN TC124/WG2/TG1


25.06.2026 **Dan Ridley-Ellis**
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[Signature of the convener]

TABLE OF GRADING ASSIGNMENTS

Note: Assignments now incorporated into EN 1912:2024 can be found in the previous version of this AGR dated 2024-05-06

Strength class (EN 338)	Grading standard	Visual grade	Species group	Botanical species	Timber source	Approved report	Comments
T10	UNE 56546:2024	MEF	Poplar (canadensis, Spain)	<i>Populus × canadensis cv 'MC', 'Luisa Avanzo'</i>	Spain	TG1/202404/04rev1	Valid on publication of the updated UNE and with max slope of grain 1 in 10

Strength class (EN 338)	Grading standard	Visual grade	Species group	Botanical species	Timber source	Approved report	Comments
D75	NEN 5493:2010+C1:2011	C3 STH	Alep (Banga, Omang)	<i>Desbordesia glaucescens</i>	The Republic of the Congo and Cameroon	TC124–2018	Equivalence with EN 16737 STH
D70	EN 16737:2016	STH	Ekki (azobé)	<i>Lophira alata</i>	West and Central Africa	Old	In EN1912 but updated source
D70	NEN 5493:2010+C1:2011	C3 STH	Ekki (azobé)	<i>Lophira alata</i>	West and Central Africa	Old	In EN1912 but updated source
D70	NEN 5493:2010+C1:2011	C3 STH	Eveuss (Eves, Kuma-kuma, Ngon)	<i>Klainedoxa gabonensis</i>	The Republic of the Congo and Cameroon	TC124–2018	Equivalence with EN 16737 STH
D70	NEN 5493:2010+C1:2011	C3 STH	Greenheart	<i>Chlorocardium rodiei</i>	Guyana	Old	Equivalence with EN 16737 STH
D70	NEN 5493:2010+C1:2011	C3 STH	Monghinza (Adzacon-aboga)	<i>Manilkara mabokeensis</i>	The Republic of the Congo and Cameroon	TC124–2018	Equivalence with EN 16737 STH

D60	NEN 5493:2010+C1:2011	C3 STH	Kapur	<i>Dryobalanops spp.</i>	South East Asia	Old	Equivalence with EN 16737 STH
D60	NEN 5493:2010+C1:2011	C3 STH	Kempas	<i>Koompassia malaccensis</i>	South East Asia	Old	Equivalence with EN 16737 STH
D50	NEN 5493:2010+C1:2011	C3 STH	Karri	<i>Eucalyptus diversicolor</i>	Western Australia	Old	Equivalence with EN 16737 STH
D50	NEN 5493:2010+C1:2011	C3 STH	Keruing	<i>Dipterocarpus spp.</i>	South East Asia	Old	Equivalence with EN 16737 STH
D50	NEN 5493:2010+C1:2011	C3 STH	Merbau	<i>Intsia bijuga, Intsia palembanica</i>	South East Asia	Old	Equivalence with EN 16737 STH
D50	EN 16737:2016	STH	Opepe (bilinga)	<i>Nauclea diderrichii</i>	West Africa and Cameroon	Old	In EN1912 but updated source
D50	NEN 5493:2010+C1:2011	C3 STH	Opepe (bilinga)	<i>Nauclea diderrichii</i>	West Africa and Cameroon	Old	Equivalence with EN 16737 STH
D50	NEN 5493:2010+C1:2011	C3 STH	Osanga (Koframiré)	<i>Pteleopsis hylodendron</i>	The Republic of the Congo and Cameroon	TC124–2018	Equivalence with EN 16737 STH
D40	NEN 5493:2010+C1:2011	C3 STH	Iroko	<i>Milicia excelsa, Milicia regia</i>	Tropical Africa	Old	Equivalence with EN 16737 STH
D40	NEN 5493:2010+C1:2011	C3 STH	Jarrah	<i>Eucalyptus marginata</i>	Western Australia	Old	Equivalence with EN 16737 STH
D40	NEN 5493:2010+C1:2011	C3 STH	Sapele	<i>Entandrophragma cylindricum</i>	West and Central Africa	TC124–2010	Equivalence with EN 16737 STH

D40	NEN 5493:2010+C1:2011	C3 STH	Teak	<i>Tectona grandis</i>	South East Asia	Old	Equivalence with EN 16737 STH
D18	NEN 5493:2010+C1:2011	C3 STH	Ossoko (Sorro)	<i>Scyphocephalium mannii</i>	Gabon	TC124–2018	Equivalence with EN 16737 STH

TABLE OF SPECIES

Botanical names		Synonyms	EN 13556 marking code
<i>Populus × canadensis</i> cv 'MC', 'Luisa Avanzo'	Moench, 1785	<i>Populus × euramericana</i>	POER

TABLE OF GRADING STANDARDS

Grading standard publishing country	Reference	Other information
Spain	UNE 56546:2024. Clasificación visual de la madera aserrada para uso estructural. Madera de frondosas.	Valid on publication of the updated UNE

TABLE OF OTHER UPDATES TO BE MADE TO EN 1912

Item	Update to be made	Other information
Table 1	Entries for Scots pine from CNE Europe graded to ČSN 73 2824-1:2015 to be listed with the basis "2007" instead of "old". This is because ČSN 73 2824-1:2015 is the Czech version of the German Standard DIN 4074-1:2012.	An error during the revision
Table 3, page 28, last row	The growth area description to be changed from "Austria, Czechia" to "Austria, Czech Republic"	Editorial