

BS EN 15497:2014



BSI Standards Publication

# Structural finger jointed solid timber — Performance requirements and minimum production requirements

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**National foreword**

This British Standard is the UK implementation of EN 15497:2014. Together with BS EN 14080:2013 it supersedes BS EN 385:2001 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/518, Structural timber.

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

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English Version

## Structural finger jointed solid timber - Performance requirements and minimum production requirements

Bois massif de structure à entures multiples - Exigences de performances et exigences minimales de fabrication

Keilgezinktes Vollholz für tragende Zwecke - Leistungsanforderungen und Mindestanforderungen an die Herstellung

This European Standard was approved by CEN on 6 February 2014.

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

This document (EN 15497:2014) 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of an identical text or by endorsement, at the latest by October 2014, and conflicting national standards shall be withdrawn at the latest by January 2016.

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, along with EN 14080:2013, supersedes EN 385:2001.

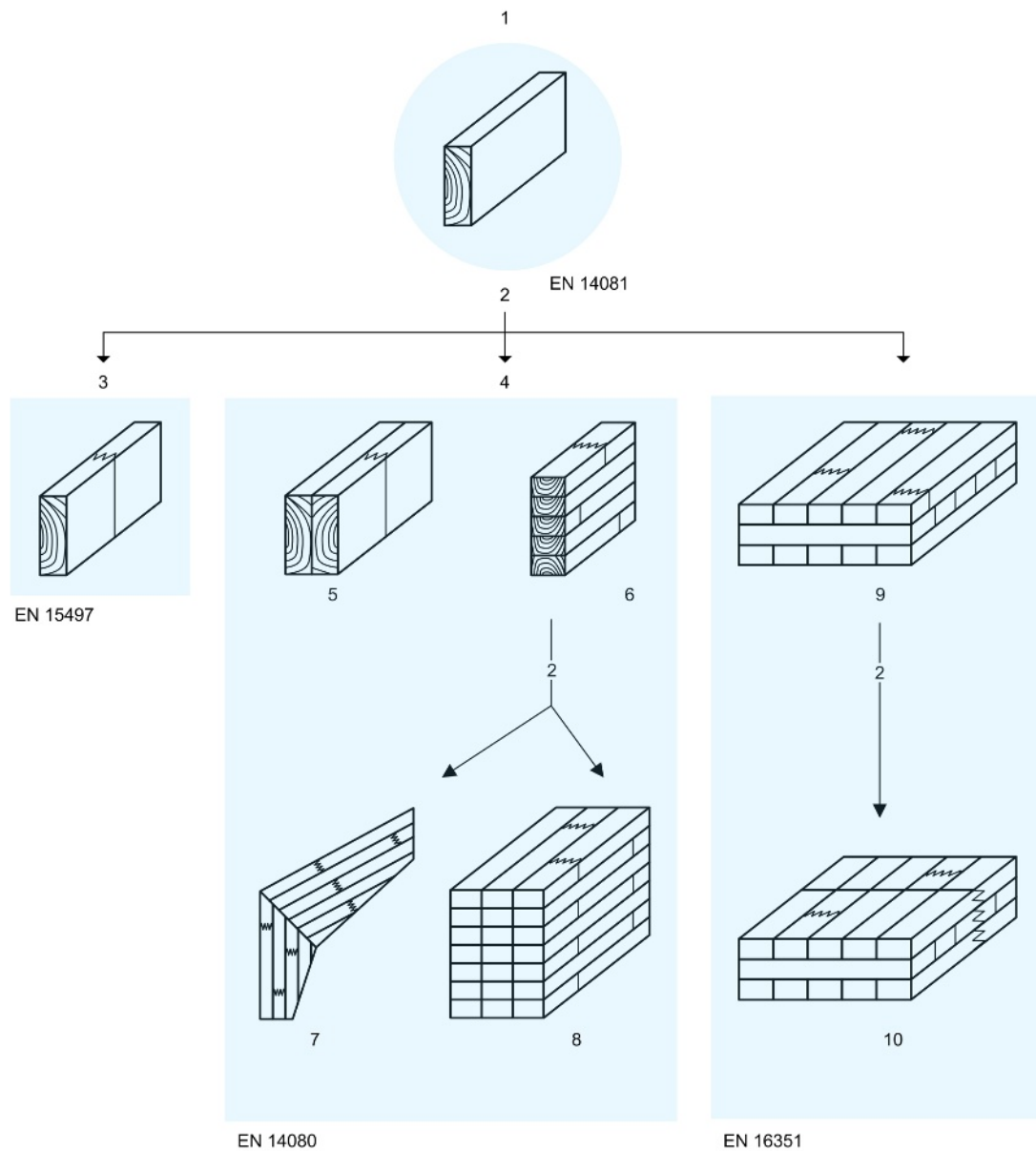
This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports basic work requirements of Regulation (EU) No 305/2011.

For relationship with the EU Regulations, see informative Annex ZA, which is an integral part of this document.

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, Former Yugoslav Republic of Macedonia, 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.

## Introduction

Figure 1 shows the relation of European Standards for structural timber products prepared by CEN/TC 124.



### Key

- |   |                                  |    |   |
|---|----------------------------------|----|---|
| 1 | boards                           | 6  | glued laminated timber (glulam)                         |
| 2 | is a component for               | 7  | glulam with large finger joints                         |
| 3 | structural finger jointed timber | 8  | block glued glulam                                      |
| 4 | glued laminated products         | 9  | cross laminated timber (X-Lam)                          |
| 5 | glued solid timber               | 10 | cross laminated timber (X-Lam) with large finger joints |

**Figure 1 — Relation of European Standards for structural timber products prepared by CEN/TC 124**

## 1 Scope

This European Standard sets out provisions regarding the performance characteristics for structural finger jointed timber with rectangular cross section for use in buildings and bridges.

The use of structural finger jointed timber may be limited to certain service classes in some member states.

It also lays down minimum production provisions and procedures for Assessment and Verification of Constancy of Performance for structural finger jointed timber.

This European Standard is applicable to structural finger jointed timber made of coniferous timber species listed in this standard or poplar.

Although it may be possible to produce structural finger jointed timber made from specific broadleaf species based on some provisions of this European Standard, this standard is not applicable to these products.

This European Standard is only applicable to finger joints between timber sections of the same species.

This European Standard does not cover impressed (die-formed) finger joints.

This European Standard covers structural finger jointed timber untreated or treated against biological attack. Structural finger jointed timber treated with fire retardants is not covered.

## 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 301:2013, *Adhesives, phenolic and aminoplastic, for load-bearing timber structures — Classification and performance requirements*

EN 302-1, *Adhesives for load-bearing timber structures — Test methods — Part 1: Determination of longitudinal tensile shear strength*

EN 302-2:2013, *Adhesives for load-bearing timber structures — Test methods — Part 2: Determination of resistance to delamination*

EN 302-3:2013, *Adhesives for load-bearing timber structures — Test methods — Part 3: Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength*

EN 302-4, *Adhesives for load-bearing timber structures — Test methods — Part 4: Determination of the effects of wood shrinkage on the shear strength*

EN 302-5:2013, *Adhesives for load-bearing timber structures — Test methods — Part 5: Determination of maximum assembly time under referenced conditions*

EN 336, *Structural timber — Sizes, permitted deviations*

EN 338, *Structural timber — Strength classes*

EN 350-2, *Durability of wood and wood-based products — Natural durability of solid wood — Part 2: Guide to natural durability and treatability of selected wood species of importance in Europe*

EN 408, *Timber structures — Structural timber and glued laminated timber — Determination of some physical and mechanical properties*