



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 387:2002

ICS 79.060.99

**GLUED LAMINATED TIMBER - LARGE
FINGER JOINTS - PERFORMANCE
REQUIREMENTS AND MINIMUM
PRODUCTION REQUIREMENTS**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on
January 18, 2002*

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 387

October 2001

ICS 79.060.99

Supersedes ENV 386:1999

English version

Glued laminated timber - Large finger joints - Performance requirements and minimum production requirements

Bois lamellé collé - Aboutages à entures multiples de grandes dimensions - Exigences de performance et exigences minimales de fabrication

Brettschichtholz - Universal-Keilzinkenverbindungen - Leistungsanforderungen und Mindestanforderungen an die Herstellung

This European Standard was approved by CEN on 3 September 2001.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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EN 387:2001 (E)

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 124 "Timber structures", the secretariat of which is held by DS.

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of an identical text or by endorsement, at the latest by April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

This European Standard supersedes ENV 387:1999.

Annex A is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

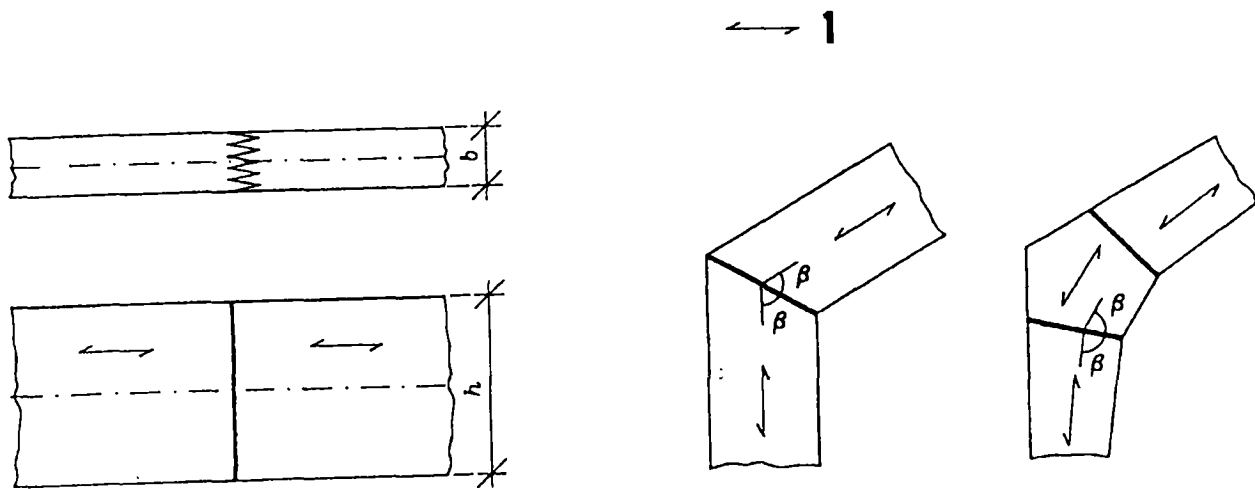
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Introduction

This standard concerns the production of large finger joints, which are finger joints across the whole cross section of a structural member of glued laminated timber also with corner pieces of laminated veneer lumber or plywood. The requirements are to ensure the production of reliable and durable bonding, so that large finger joints may be used in timber structures of service classes 1 or 2. For timber structures of service class 3 special precautions should be taken, among these only adhesives of the phenolic resin type, which meet the requirements for adhesive type I of EN 301 should be used. It is assumed that the production of large finger joints will take place at a factory in order to ensure a stable and reliable product.

1 Scope

This standard specifies requirements for large finger joints and minimum requirements for the production of these in structural members of glued laminated timber also with corner pieces of laminated veneer lumber or plywood with a finger length of at least 45 mm. The glued laminated timber and the laminated veneer lumber shall be made from conifers and poplar. Such finger joints may be employed for joints in straight beams or for frame corners, see Figure 1.



Key

- 1 Direction of grain

Figure 1 - Large finger joints in a beam and at frame corners

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