

Liimpuit. Teostusnõuded ja põhilised tootmisnõuded

Glued laminated timber - Performance requirements and minimum production requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 386:2002 sisaldab Euroopa standardi EN 386:2001 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 23.11.1999 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 24.10.2001.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 386:2002 consists of the English text of the European standard EN 386:2001.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 23.11.1999 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 24.10.2001.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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Võtmesõnad: ehituspuit, lamineeritud plaat, liimimine, puit, spetsifitseerimine, tootmiskontroll, valmistamine

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English version

Glued laminated timber - Performance requirements and minimum production requirements

Bois lamellé collé - Exigences de performance et exigences minimales de fabrication

Brettschichtholz - 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.

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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 supersedes EN 386:1995.

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of an identical text or by endorsement, at the latest by April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

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.

Introduction

Glued laminated timber is obtained by bonding together a number of laminations having their grain essentially parallel. In this way a member with a rectangular solid cross-section can be produced.

The purpose of the requirements in this standard is to obtain reliable and durable bonding, so that the bonds in the glued laminated timber will maintain their integrity throughout the intended life of the structure. The requirements will need to be supplemented to take into consideration special production conditions, materials or functional requirements. The requirements apply to structural members of service classes 1 and 2. For timber structures of service class 3 special precautions shall be taken, for example weather resistant adhesives shall be used. The requirements for these are given in EN 301.

1 Scope

This standard specifies requirements for the components of glued laminated timber members and minimum requirements for the production of such members for structural use.

This standard is applicable to products with a finished lamination thickness of not more than 45 mm.

Although most glued laminated timber is made from coniferous species this standard also applies to broad leaved species if information is available to enable them to be satisfactorily bonded.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 301, *Adhesives, phenolic and aminoplastic for load-bearing timber structures - Classification and performance requirements.*

EN 385:2001, *Finger jointed structural timber - Performance requirements and minimum production requirements.*

EN 391:2001, *Glued laminated timber - Delamination test of glue lines.*

EN 392, *Glued laminated timber - Shear test of glue lines.*

prEN 14081-1:2000, *Timber structures - Strength graded structural timber with rectangular cross section - Part 1: General requirements.*

prEN 14081-2:2000, *Timber structures - Strength graded structural timber with rectangular cross section - Part 2: Machine Grading - Additional requirements for initial type testing.*

prEN 14081-3:2000, *Timber structures - Strength graded structural timber with rectangular cross section - Part 3: Machine Grading - Additional requirements for factory production control.*