

Puittarindid. Katsemeetodid. Puitplaatide mehaaniliste omaduste määramine

Timber structures - Test methods - Determination of mechanical properties of wood based panels

EESTI STANDARDI EESSÕNA

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Inglisekeelsed võtmesõnad: compressive strength, determination, flexural strength, mechanical properties, tensile strength, tests, timber construction, wooden boards,

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EUROPEAN STANDARD

EN 789

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1995

ICS 71.080.20; 79.040

Descriptors: timber construction, wooden boards, tests, determination, mechanical properties, flexural strength, tensile strength, compressive strength

English version

Timber structures - Test methods - Determination of mechanical properties of wood based panels

Structures en bois - Méthodes d'essai -
Détermination des propriétés mécaniques des
panneaux à base de bois

Holzbauwerke - Prüfverfahren - Bestimmung der
mechanischen Eigenschaften von
Holzbawerkstoffen

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 124 "Timber Structures" of which the secretariat 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of an identical text or by endorsement, at the latest by June 1996, and conflicting national standards shall be withdrawn at the latest by June 1996.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This standard specifies test methods for determining some mechanical properties of commercial wood-based panel products for use in load-bearing timber structures. These properties are intended for the calculation of characteristic values for use in obtaining material design values.

For each type and grade of panel product, as defined for example in an EN wood based panel standard, it is necessary to determine characteristic values of mechanical properties to enable it to be used for structural purposes. This standard details the necessary testing which may only need to be carried out once for each product, unless there is a reason to suspect a significant change has occurred in the properties of the product.

This standard is not intended to be used for quality control testing, for which smaller test pieces than specified herein, are adequate.

Due to the limited experience in use with the tests, the test methods for panel and planar shear are included in Annexes B and C (normative).

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.

EN 322	Wood based panels - Determination of moisture content
EN 323	Wood based panels - Determination of density
EN 325	Wood based panels - Determination of dimensions of test pieces
EN 1058	Wood based panels - Determination of characteristic values of mechanical properties and density