

Timber structures - Calculation of characteristic 5-percentile values and acceptance criteria for a sample

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14358:2007 sisaldab Euroopa standardi EN 14358:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.01.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14358:2007 consists of the English text of the European standard EN 14358:2006.</p> <p>This document is endorsed on 29.01.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This document specifies a method for the determination of characteristic 5-percentile values from test results for fasteners and wood-based products. This document also gives corresponding acceptance criteria for a sample. Structural timber is not covered by this document but by EN 384. Sampling is not covered by this document, but reference is made to the relevant product standards.</p>	<p>Scope:</p> <p>This document specifies a method for the determination of characteristic 5-percentile values from test results for fasteners and wood-based products. This document also gives corresponding acceptance criteria for a sample. Structural timber is not covered by this document but by EN 384. Sampling is not covered by this document, but reference is made to the relevant product standards.</p>
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ICS 79.040, 91.080.20

Võtmesõnad: mathematics, ph, ratings, sawn timber, solid wood, specification (approval), specifications, stress, structural timber, structures, test results, timber construction, timber structures, type of timber, values, wood, woodbased sheet materials, wooden boards

ICS 79.040; 91.080.20

English Version

Timber structures - Calculation of characteristic 5-percentile values and acceptance criteria for a sample

Structures en bois - Détermination des valeurs correspondant au fractile à 5 % d'exclusion inférieure et critères d'acceptation pour un échantillon

Holzbauwerke - Berechnung der 5%-Quantile für charakteristische Werte und Annahmekriterien für Proben

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Foreword

This document (EN 14358:2006) has been prepared by Technical Committee CEN/TC 124 "Timber Structures", the secretariat of which is held by SFS.

This document (EN 14358:2006) is based on Annex D of EN 1990:2002, Eurocode – Basis of structural design.

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 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

It is anticipated that the standard will replace the corresponding parts of EN 1058: Wood-based panels – Determination of characteristic values of mechanical properties and density.

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1 Scope

This document specifies a method for the determination of characteristic 5-percentile values from test results for fasteners and wood-based products.

This document also gives corresponding acceptance criteria for a sample.

Structural timber is not covered by this document but by EN 384.

Sampling is not covered by this document, but reference is made to the relevant product standards.

2 Normative references

Not applicable.

3 Symbols

k_n Factor (see Table 2)

k_s Factor (see Table 1)

m_i Test value

m_k Characteristic value

n Number of test values

s_y Standard deviation

u_x x-fractile in the standardised normal distribution

y Stochastic value, $y_i = \ln m_i$

\bar{y} Mean value

α Confidence level (%)