

Durability of wood and wood-based products - Definition of use classes - Part 2: Application to solid wood

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wood

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 335-2:2006 sisaldab Euroopa standardi EN 335-2:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.10.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 335-2:2006 consists of the English text of the European standard EN 335-2:2006.</p> <p>This document is endorsed on 27.10.2006 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 part of EN 335 offers guidance on the application of the use classes, as defined in Part 1 to solid wood of EN 335, in relation to the biological agents that can attack solid wood and solid wood panels.</p>	<p>Scope:</p> <p>This part of EN 335 offers guidance on the application of the use classes, as defined in Part 1 to solid wood of EN 335, in relation to the biological agents that can attack solid wood and solid wood panels.</p>
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ICS 71.100.50

Võtmesõnad: bioloogiline lagunemine, kahjurikaitse, liigitused, määratlused, ohud, puit, saematerjal, vastupidavus

English Version

Durability of wood and wood-based products - Definition of use classes - Part 2: Application to solid wood

Durabilité du bois et des produits dérivés du bois -
Définition des classes d'emploi - Partie 2 : Application au
bois massif

Dauerhaftigkeit von Holz und Holzprodukten - Definition der
Gebrauchsklassen - Teil 2: Anwendung bei Vollholz

This European Standard was approved by CEN on 7 July 2006.

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Foreword

This document (EN 335-2:2006) has been prepared by Technical Committee CEN/TC 38 “Durability of wood and derived materials”, 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of an identical text or by endorsement, at the latest by February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

This document supersedes EN 335-2:1992.

EN 335 is divided into three parts, Part 1 gives general definitions of use classes in different service situations, Part 2 concerns their application to solid wood and Part 3 concerns their application to wood-based panels

The revision of EN 335-2 is in accordance with ISO 21887 (under preparation).

NOTE Attention of users is drawn to the need to avoid misinterpretation of any numbering system using classes for timber which cannot correspond exactly to the European use classes defined in this part of EN 335.

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

Introduction

The classes described in this part of EN 335 are based on an existing classification agreed by the European Homologation Committee (EHC) in 1981 and published in the EHC reference document in 1984.

Proposals for altering the five classes of EHC classification have been considered, particularly the possibility of harmonisation with other classes used outside Europe. It has, however, been judged that five classes are the most appropriate solution to European conditions.

The possibility of harmonisation between the three moisture categories of Eurocode 5 (EN 1995-1-1) and the five classes of all parts of EN 335 has been carefully studied. The latter have been adjusted as far as possible. Nevertheless, it is important to note that the two systems use different criteria to achieve different ends.

Any user may utilise the appropriate part of EN 335 to identify the "use class" of a given service environment and geographical location. Table 1 will assist in determining the biological agents that can attack timber in that situation. The user can then consider the type and duration of performance required, select an appropriate level of durability and ensure that the timber or wood-based product specified has that durability either, as a natural (see EN 350-2) or an acquired characteristic as the result of appropriate preservative treatment (see EN 351-1).

NOTE At the moment EN 350-2 gives information with regard only to solid wood. EN 351-1 considers only the performance of preservative-treated solid wood.

1 Scope

This part of EN 335 offers guidance on the application to solid wood of the use classes, as defined in Part 1 of EN 335, in relation to the biological agents that can attack solid wood and solid wood panels.

NOTE Due to their specific behaviour against biological agents, solid wood panels are considered in this part of EN 335, as solid wood.

This Part shall be used in conjunction with Part 1 of EN 335.

Annex A gives information and guidance for the user to determine the appropriate use class and to select a suitable level of durability (either natural or conferred by preservative treatment). It does not give guidance on protective measures other than preservative treatment.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

None applicable.

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

3.1

protected

subject to design and construction measures intended to prevent excessive exposure to the direct effects of the weather

3.2

solid wood

wood, sawn or otherwise machined which may include finger jointed and/or laminated wood

NOTE Adapted from EN 1001-2:2005, 1.39

3.3

solid wood panel

wood-based panel consisting of pieces of timber glued together at their edges and, if multi-layer, on their faces

[EN 12775:2001, 4.1]