



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 335-1:2006

ICS 71.100.50

**DURABILITY OF WOOD AND WOOD- BASED
PRODUCTS - DEFINITION OF USE CLASSES -
PART 1: GENERAL**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
<http://www.standards.ie>

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EN 335-1

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English Version

**Durability of wood and wood- based products - Definition of use
classes - Part 1: General**

Durabilité du bois et des matériaux dérivés du bois -
Définition des classes d'emploi - Partie 1 : Généralités

Dauerhaftigkeit von Holz und Holzprodukten - Definition der
Gebrauchsklassen - Teil 1: Allgemeines

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

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 335-1:2006) has been prepared by Technical Committee CEN/TC 038 "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of an identical text or by endorsement, at the latest by February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.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 335-1:1992.

EN 335 is divided in 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 335-1 is in general accordance with ISO 21887 (in preparation).

NOTE Attention of users is therefore 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.

EN 335-1:2006 (E)

Introduction

The classes described in this part of EN 335 are based on an existing classification agreed on 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 results.

Any user can use 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 certain situations. 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 either, as a natural (see EN 350-2) or an acquired characteristic durability as the result of appropriate preservative treatment (see EN 351-1).

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

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