

Durability of wood and wood-based products — Preservative-treated solid wood —

Part 2: Guidance on sampling for the analysis of preservative-treated wood

ICS 71.100.50; 79.040

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National foreword

This British Standard is the UK implementation of EN 351-2:2007. It supersedes BS EN 351-2:1996 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee B/515, Wood preservation, to Subcommittee B/515/2, Durability, treatment, performance and environment issues.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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This European Standard was approved by CEN on 21 June 2007.

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Foreword

This document (EN 351-2:2007) has been prepared by Technical Committee CEN/TC 38 "Durability of wood and wood-based products", 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of an identical text or by endorsement, at the latest by January 2008, and conflicting national standards shall be withdrawn at the latest by January 2008.

This document supersedes EN 351-2:1995.

Significant technical differences between this edition and EN 351-2:1995 are as follows:

- a) introduction of terms with their definition in clause 3;
- b) addition of clause 4 "Selection of batch";
- c) deletion of the sub-clause "Longitudinal sections" for sampling to determine the axial penetration.

This document consists of two parts. Part 1 is concerned with defining the penetration requirements and gives guidance on the retention requirements for preservatives in preservative-treated solid wood. Part 2 gives guidance on the general procedures to be followed in the sampling for analysis of preservative-treated solid wood.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, 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.

1 Scope

This part of EN 351 provides guidance on the general procedures used in obtaining samples of preservative-treated wood to determine the penetration and retention of wood preservative.

This part of EN 351 is applicable for the production of preservative-treated solid wood, including glued laminated timber, suitable for use in those service conditions defined by the use classes in EN 335-1. However, the sampling guidance provided within this part of EN 351 may be applied for the subsequent examination of treated wood in service.

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.

EN 1001-2:2005, *Durability of wood and wood-based products — Terminology — Part 2: Vocabulary*

ISO 2859-1:1999, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1001-2:2005 and the following apply.

3.1
active ingredient(s)
individual chemical compound or compounds included in a wood preservative product to give it specific activity against biological agents of deterioration

NOTE Adapted from EN 1001-2:2005, **4.01**.

3.2
analytical zone
part of the treated wood that is analysed for assessing compliance with the retention requirement (see 3.8)

NOTE The analytical zone is taken from the lateral surfaces of the treated wood. The depth to which sampling is required will depend upon the species of wood being analysed and the treatment level concerned.

[EN 1001-2:2005, **4.03**]

3.3
batch
clearly identifiable collection of units of preservative treated wood manufactured to conform to the same defined penetration and retention requirements

[EN 1001-2:2005, **4.04**]

3.4
charge
all the wood treated together in a single operation

[EN 1001-2:2005, **4.13**]