

Durability of wood and wood-based products -
Accelerated ageing of treated wood prior to biological
testing - Evaporative ageing procedure

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 73:2020 sisaldab Euroopa standardi EN 73:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 73:2020 consists of the English text of the European standard EN 73:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

**Durability of wood and wood-based products - Accelerated
ageing of treated wood prior to biological testing -
Evaporative ageing procedure**

Durabilité du bois et des produits dérivés - Épreuves
de vieillissement accéléré des bois traités avant essais
biologiques - Épreuve d'évaporation

Dauerhaftigkeit von Holz und Holzprodukten -
Beschleunigte Alterung von behandeltem Holz vor
biologischen Prüfungen - Verdunstungsbeanspruchung

This European Standard was approved by CEN on 24 February 2020.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

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European foreword

This document (EN 73:2020) 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of an identical text or by endorsement, at the latest by February 2021, and conflicting national standards shall be withdrawn at the latest by February 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 73:2014. Data using this version of EN 73 may still be used.

Compared to EN 73:2014 the following modifications have been made:

- change of title;
- inclusion of untreated wood, modified wood and wood-based panel products in the Scope;
- inclusion of a statement regarding the maximum period of time permitted between the completion of the ageing procedure and the start of the biological test procedure;
- inclusion of a requirement that this period of time be stated in the biological test report.

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

Introduction

During its service life, preservative-treated wood can be exposed to conditions which may cause the volatilization and removal of the wood preservative thereby reducing its effectiveness.

This document provides a laboratory based method for ageing test specimens which are to be subject to biological testing.

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1 Scope

This document specifies an evaporative ageing procedure, applicable to test specimens of wood and wood-based products which are subsequently subjected to biological tests.

NOTE The method can also be used for pre-conditioning of untreated wood, modified wood and wood-based panel products, whether they received preservative treatment or not.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/ui>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Principle

Test specimens are prepared for biological testing against either fungi or insects using the appropriate standards methods. Test specimens are exposed, for a specified period, in a dust-free current of air of a defined velocity and temperature.

5 Equipment

5.1 A wind tunnel which is compartmented and fitted with devices for heating and distributing air.

The air shall be dust-free and shall not be polluted by chemical products which could have an effect on the results of biological testing.

The heating and distribution devices shall be such that the temperature and air velocity are maintained constant and uniform in each compartment.

The air leaving the tunnel shall be led away in such a manner that it cannot re-enter the tunnel.

5.2 A device which:

- a) controls the temperature within the defined limits stated in 7.2;
- b) measures and records the air temperature within the defined limits as stated in 7.2.

5.3 An anemometer capable to measuring air velocity of $(1 \pm 0,3)$ m/s.