

STN	Trvanlivosť dreva a výrobkov na báze dreva Stanovenie impregnovateľnosti druhov dreva, ktoré majú byť impregnované prostriedkami na ochranu dreva Laboratórna metóda	STN EN 14734 49 0674
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Durability of wood and wood-based products - Determination of treatability of timber species to be impregnated with wood preservatives - Laboratory method

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EN 14734

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English Version

Durability of wood and wood-based products - Determination of treatability of timber species to be impregnated with wood preservatives - Laboratory method

Durabilité du bois et des matériaux dérivés du bois -
Détermination de l'imprégnabilité d'essences de bois
par des produits de préservation - Méthode de
laboratoire

Dauerhaftigkeit von Holz und Holzprodukten -
Bestimmung der Tränkbarkeit von Holzarten zur
Tränkung mit Holzschutzmitteln - Laborverfahren

This European Standard was approved by CEN on 20 April 2022.

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

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EN 14734:2022 (E)

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European foreword

This document (EN 14734:2022) 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of an identical text or by endorsement, at the latest by December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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EN 14734:2022 (E)**Introduction**

The basis for this document was prepared as being part of the work for SMT project MAT-CT 94061 project number 3307: Improvement of CEN standards by short term methods for testing the natural durability and treatability of solid wood and wood based panel products.

It provides the means whereby the treatability of sapwood or heartwood of different wood species can be determined in order to determine likely reaction to impregnation with wood preservatives. Such an assessment provides data for use in EN 351-1 which establishes a system for specifying the treatment of wood with wood preservatives based upon the penetration and retention of preservatives achieved by the treatment process. EN 351-1 recognizes that different wood species respond to treatment differently depending on their ability to absorb preservative, and requires a different level of compliance depending on the treatability of the wood concerned. While EN 350 includes a subjective classification of the treatability of different wood species using a four class system, the method described in this document provides the means to determine the treatability objectively.

Although the method described uses an aqueous solution as the impregnating liquid, the method can be modified using other preservative types, e.g. organic solvent or emulsion preparations, if the response of the wood to a specific preservative is required. However, the method does not take account of preservative formulations where the active ingredients are selectively adsorbed on to the wood substrate resulting in the solvent penetrating more deeply than the biocides.

1 Scope

This document specifies a laboratory method for the determination of the treatability of wood in order to determine the likely reaction of different wood species to impregnation with wood preservatives. It is also applicable to investigate variation between samples of the same species but of different origin.

2 Normative references

There are no normative references in this document.

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