

Durability of wood and wood-based products - Preservative-treated solid wood - Determination of the penetration and retention of creosote in treated wood

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Preservative-treated solid wood - Determination of
the penetration and retention of creosote in treated
wood

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12490:2001 sisaldab Euroopa standardi EN 12490:1998 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.06.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12490:2001 consists of the English text of the European standard EN 12490:1998.</p> <p>This document is endorsed on 18.06.2001 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 European Standard specifies the reference method for determining the penetration and retention of creosote in timber freshly-treated with creosote, principally in order to ascertain whether the treated timber conforms to specifications written in terms of EN 351-1. It also provides guidance on the acquisition of test samples and their handling between sampling and analysis.</p>	<p>Scope:</p> <p>This European Standard specifies the reference method for determining the penetration and retention of creosote in timber freshly-treated with creosote, principally in order to ascertain whether the treated timber conforms to specifications written in terms of EN 351-1. It also provides guidance on the acquisition of test samples and their handling between sampling and analysis.</p>
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Võtmesõnad: analysis methods, creosote, impregnating, sampling, sawn timber, wood, wood preservation

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Descriptors: Wood, solid wood, wood preservatives, penetration, retention, testing.

English version

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

Determination of the penetration and retention of creosote
in treated wood

Durabilité du bois et des matériaux
dérivés du bois – Bois massif traité
avec produit de préservation –
Détermination des pénétrations et
rétentions des créosotes dans le bois
traité

Dauerhaftigkeit von Holz und Holz-
werkstoffen – Mit Holzschutzmitteln
behandeltes Vollholz – Bestimmung
der Eindringtiefe und der Aufnahme
von Teerimprägnieröl in behandeltem
Holz

This European Standard was approved by CEN on 1998-11-08.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard 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 May 1999, and conflicting national standards shall be withdrawn at the latest by May 1999.

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

1 Scope

This European standard specifies the reference method for determining the penetration and retention of creosote in timber freshly-treated with creosote, principally in order to ascertain whether the treated timber conforms to specifications written in terms of EN 351-1. It also provides guidance on the acquisition of test samples and their handling between sampling and analysis.

NOTE : In the day-to-day practice at the plant, other methods (e.g. weighing the charge before and after treatment) can be used for determining the retention, provided that a significant relationship can be established with this method.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 351-1	Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention.
EN 351-2	Durability of wood and wood-based products - Preservative-treated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood.
EN ISO 3696	Water for analytical laboratory use - Specification and test methods (ISO 3696:1987).
ISO 3131	Wood - Determination of density for physical and mechanical tests.

3 Definitions

For the purposes of this European Standard, the following definitions apply :

3.1 analytical zone : The part of the treated wood which is analysed for assessing the retention requirement (3.6).

3.2 batch : Clearly identifiable collection of units of preservative-treated wood manufactured to comply with the same defined penetration and retention requirements.

3.3 charge : All the wood treated together in a single operation.

3.4 composite sample : Collection of all test samples derived from the sampling units taken from the batch in accordance with the chosen sampling plan for the determination of retention.