



BSI Standards Publication

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

National foreword

This British Standard is the UK implementation of EN 12490:2010. It supersedes BS EN 12490:1999 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/515, Wood preservation.

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

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ISBN 978 0 580 64043 8

ICS 71.100.50; 79.040

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2010.

Amendments issued since publication

Date	Text affected
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12490

June 2010

ICS 71.100.50; 79.040

Supersedes EN 12490:1998

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 un produit de préservation - Détermination de la pénétration et de la rétention de créosote dans le bois traité

Dauerhaftigkeit von Holz und Holzprodukten - Mit Holzschutzmitteln behandeltes Vollholz - Bestimmung der Eindringtiefe und der Aufnahme von Kreosot (Teerimprägnieröl) in behandeltem Holz

This European Standard was approved by CEN on 19 May 2010.

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Ref. No. EN 12490:2010: E

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Foreword

This document (EN 12490:2010) 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of an identical text or by endorsement, at the latest by December 2010, and conflicting national standards shall be withdrawn at the latest by December 2010.

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1 Scope

This European Standard specifies the reference methods 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

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 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 3696:1995, *Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)*

ISO 3131, *Wood — Determination of density for physical and mechanical tests*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

analytical zone

part of the treated wood which is analysed for assessing compliance with the retention requirement

[Adapted from EN 1001-2:2005, 4.03]

NOTE For definition of "retention requirement", see 3.6.

3.2

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]

3.3

charge

all the wood treated together in a single operation

[EN 1001-2:2005, 4.13]