ICS 13.020.30, 71.100.50 SLOVENSKÁ TECHNICKÁ NORMA September 2024

STN	**Trvanlivosť dreva a výrobkov na báze dreva Stanovenie emisií z dreva ošetreného ochrannými prostriedkami do ovzdušia Časť 2: Výrobky z dreva vystavené používaniu v triede 4 alebo 5 (v kontakte so zemou, sladkou vodou alebo morskou vodou) Laboratórna metóda**	**STN EN 15119-2** 49 0669

Durability of wood and wood-based products - Determination of emissions from preservative treated wood to the environment - Part 2: Wooden commodities exposed in Use Class 4 or 5 (in contact with the ground, fresh water or sea water) - Laboratory method

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/24

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Oznámením tejto normy sa ruší
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English Version

Durability of wood and wood-based products - Determination of emissions from preservative treated wood to the environment - Part 2: Wooden commodities exposed in Use Class 4 or 5 (in contact with the ground, fresh water or sea water) - Laboratory method

Durabilité du bois et des matériaux à base de bois - Estimation des émissions dans l'environnement du bois traité avec des produits de préservation - Partie 2 : Articles en bois exposés en classe d'emploi 4 ou 5 (en contact avec le sol, l'eau douce ou l'eau de mer) - Méthode de laboratoire

Dauerhaftigkeit von Holz und Holzprodukten - Abschätzung von Emissionen von mit Holzschutzmitteln behandeltem Holz an die Umwelt - Teil 2: Holzprodukte in Gebrauchsklasse 4 und 5 (im Kontakt mit Erde, Süßwasser oder Meerwasser) - Laborverfahren

This European Standard was approved by CEN on 22 April 2024.

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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 15119-2:2024) has been prepared by Technical Committee CEN/TC 38 “Durability of wood and wood-based products”, the secretariat of which is held by SIS.

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of an identical text or by endorsement, at the latest by November 2024, and conflicting national standards shall be withdrawn at the latest by November 2024.

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 CEN/TS 15119-2:2012 without major technical change. Test results obtained with earlier versions of this document from tests commissioned prior to the publication of this document are still valid.

Significant changes: EN ISO 3696 has been moved from the Normative References to the Bibliography.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

The emissions from preservative treated wood to the environment need to be quantified to enable an environmental risk assessment of the treated wood. This document describes a laboratory method for the estimation of emissions from preservative treated wood in the case where the preservative treated wood is in contact with the ground, fresh water or seawater. There are three situations in this case where emissions could enter the environment:

a) emissions from treated wood in contact with the ground. Use Class 4. Emissions from the surface of the treated wood could enter the soil via the soil water;

b) emissions from treated wood in contact with fresh water. Use Class 4. Emissions from the surface of the treated wood could enter the water;

c) emissions from treated wood in contact with sea water. Use Class 5. Emissions from the surface of the treated wood could enter the sea.

The method is a laboratory procedure for obtaining water samples (leachate) from treated wood in contact with water, at increasing time intervals (complete duration of 29 days). The quantities of emissions in the leachate are related to the surface area of the wood and the length of exposure, to estimate a flux in milligrams per square metre per day.

The quantity of emissions can be used in an environmental risk assessment of the treated wood.

The results of this short-term test can be extrapolated to longer exposure periods using suitable projection estimation methods.

1 Scope

This document specifies a laboratory method for obtaining water samples from treated wood which has been in conditions designed to simulate continuous contact with the ground or with water (use Class 4 or 5), at time intervals after exposure.

2 Normative references

There are no normative references in this document.