
Trajnost lesa in lesnih izdelkov - Določanje emisij iz zaščenega lesa v okolje - 2. del: Lesni izdelki, izpostavljeni 4. ali 5. razredu uporabe (v stiku z zemljo, sladko ali morskovo vodo) - Laboratorijska metoda

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

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

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

Ta slovenski standard je istoveten z: EN 15119-2:2024

ICS:

13.020.30	Ocenjevanje vpliva na okolje	Environmental impact assessment
71.100.50	Kemikalije za zaščito lesa	Wood-protecting chemicals

SIST EN 15119-2:2024

en,fr,de

EUROPEAN STANDARD

EN 15119-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2024

ICS 13.020.30; 71.100.50

Supersedes CEN/TS 15119-2:2012

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.

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 CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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, Türkiye and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
4 Description of the test method.....	5
4.1 General considerations.....	5
4.2 Principle	5
4.3 Products and reagents.....	5
4.3.1 Water	5
4.3.2 Seawater	6
4.3.3 Preservative	6
4.4 Apparatus.....	6
4.4.1 Immersion container	6
4.4.2 Assembly for test specimens.....	6
4.5 Test specimens.....	6
4.5.1 Species of wood.....	6
4.5.2 Quality of wood and wood moisture content.....	6
4.5.3 Dimensions of test specimens	7
4.5.4 Number of test specimens.....	7
4.5.5 End seal.....	7
4.6 Procedure.....	7
4.6.1 General.....	7
4.6.2 Preparation of the treated test specimens.....	7
4.6.3 Conditioning of the test specimens after treatment.....	8
4.6.4 Preparation and selection of test specimens	8
4.6.5 Immersion method	8
4.7 Expression of results.....	9
4.7.1 Chemical analysis.....	9
4.7.2 Bulked samples.....	9
4.7.3 Emission flux.....	9
4.7.4 Recording.....	9
4.8 Quality criteria	10
4.8.1 Accuracy	10
4.8.2 Number of replicates	10
5 Test report.....	10
Annex A (informative) Recording forms.....	12
Annex B (informative) General recommendations.....	15
Bibliography.....	16

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.

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, Türkiye and the United Kingdom.

(<https://standards.iteh.ai>)
Document Preview

[SIST EN 15119-2:2024](https://standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/f1b2703e-09a0-44f2-81ac-d319deac77fb/sist-en-15119-2-2024>

EN 15119-2:2024 (E)

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.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 15119-2:2024](https://standards.iteh.ai/catalog/standards/sist/f1b2703e-09a0-44f2-81ae-d319deac77fb/sist-en-15119-2-2024)

<https://standards.iteh.ai/catalog/standards/sist/f1b2703e-09a0-44f2-81ae-d319deac77fb/sist-en-15119-2-2024>