



SLOVENSKI STANDARD

SIST EN 113-1:2021

01-marec-2021

Nadomešča:

SIST EN 113:2002

SIST EN 113:2002/A1:2004

**Odpornost lesa in lesnih proizvodov - Preskusna metoda proti glivam
prostotrošnicam - 1. del: Ocenjevanje biocidne učinkovitosti biocidnih proizvodov
za les**

Durability of wood and wood-based products - Test method against wood destroying
basidiomycetes - Part 1: Assessment of biocidal efficacy of wood preservatives

Dauerhaftigkeit von Holz und Holzprodukten - Prüfverfahren gegen Holz zerstörende
Basidiomyceten - Teil 1: Bewertung der bioziden Wirksamkeit von Holzschutzmitteln

Durabilité du bois et des matériaux dérivés du bois - Méthode d'essai vis-à-vis des
champignons basidiomycètes - Partie 1 : Détermination de l'efficacité protectrice de
produits de préservation

<http://standards.sist/093037e6-897e-490a-8e12-6a2ac6a7b713/sist-en-113-1-2021>

Ta slovenski standard je istoveten z: EN 113-1:2020

ICS:

71.100.50 Kemikalije za zaščito lesa Wood-protecting chemicals

SIST EN 113-1:2021

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 113-1

December 2020

ICS 71.100.50

Supersedes EN 113:1996,
EN 113:1996/A1:2004

English Version

**Durability of wood and wood-based products - Test
method against wood destroying basidiomycetes - Part 1:
Assessment of biocidal efficacy of wood preservatives**

Durabilité du bois et des matériaux dérivés du bois -
Méthode d'essai vis-à-vis des champignons
basidiomycètes - Partie 1 : Détermination de l'efficacité
protectrice de produits de préservation

Dauerhaftigkeit von Holz und Holzprodukten -
Prüfverfahren gegen Holz zerstörende Basidiomyceten
- Teil 1: Bewertung der bioziden Wirksamkeit von
Holzschutzmitteln

This European Standard was approved by CEN on 2 November 2020.

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, Turkey and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/093037e6-897e-490a-8e12-6a2ac6a7b713/sist-en-113-1-2021>



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.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Principles	6
5 Test material and apparatus.....	6
5.1 Biological material.....	6
5.1.1 General.....	6
5.1.2 Obligatory fungi in all cases (see also Annex D)	6
5.1.3 Obligatory fungus for particular uses (see also Annex D).....	7
5.1.4 Maintenance of strains.....	7
5.2 Products and reagents.....	7
5.2.1 Culture medium	7
5.2.2 Solvents and diluents.....	8
5.3 Apparatus.....	8
5.3.1 Conditioning chamber	8
5.3.2 Culture chamber.....	8
5.3.3 Drying oven	8
5.3.4 Treatment vessels.....	8
5.3.5 Ballast.....	8
5.3.6 Safety equipment and protective clothing.....	8
5.3.7 Vacuum vessels	9
5.3.8 Vacuum pump.....	9
5.3.9 Kolle flasks or equivalent culture vessels.....	9
5.3.10 Test specimen supports.....	9
5.3.11 Drying vessel(s)	9
5.3.12 Equipment for steam sterilization or access to a radiation source	9
5.3.13 Ordinary laboratory equipment.....	9
6 Sampling of the preservative	9
7 Test specimens.....	9
7.1 Wood species	9
7.2 Wood quality.....	10

7.3	Provision of test specimens	10
7.4	Dimensions and density of test specimens.....	10
7.5	Number and distribution of test specimens.....	10
8	Procedure	11
8.1	Conditioning of test specimens before treatment	11
8.2	Treatment of test specimens	11
8.2.1	Preparation of treatment solutions/dilutions	11
8.2.2	Impregnation	12
8.3	Drying and conditioning of test specimens after treatment.....	12
8.4	Exposure to fungi	13
8.5	Culture conditions and duration of test	13
8.6	Assessment of test	14
8.6.1	Examination of the test specimens.....	14
8.6.2	Loss in mass caused by fungal attack	14
8.6.3	Validity of results.....	14
8.6.4	Assessment of results.....	15
9	Statement of results.....	15
10	Test report	15
Annex A (informative)	Example of a test report.....	17
Annex B (normative)	Methods of sterilization.....	23
Annex C (informative)	Culture vessels.....	24
Annex D (informative)	Test fungi.....	27
Annex E (informative)	Non-comprehensive list of optional fungi	29
Bibliography		31