



NSAI
Standards

Irish Standard
I.S. EN 12404:2020

Durability of wood and wood-based products - Assessment of the effectiveness of masonry fungicide to prevent growth into wood of Dry Rot *Serpula lacrymans* (Schumacher ex Fries) S.F. Gray - Laboratory method

I.S. EN 12404:2020

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National Foreword

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EUROPEAN STANDARD

EN 12404

NORME EUROPÉENNE

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Supersedes CEN/TS 12404:2015

English Version

**Durability of wood and wood-based products - Assessment
of the effectiveness of masonry fungicide to prevent
growth into wood of Dry Rot *Serpula lacrymans*
(Schumacher ex Fries) S.F. Gray - Laboratory method**

Durabilité du bois et des matériaux dérivés du bois -
Évaluation de l'efficacité d'un fongicide de maçonnerie
pour empêcher le développement dans le bois de la
mérule *Serpula lacrymans* (Schumacher ex Fries) S.F.
Gray - Méthode de laboratoire

Dauerhaftigkeit von Holz und Holzprodukten -
Bestimmung der Wirksamkeit eines Schutzmittels
gegen das Überwachsen von Echtem Hausschwamm
Serpula lacrymans (Schumacher ex Fries) S.F. Gray
vom Mauerwerk auf das Holz -
Laboratoriumsverfahren

This European Standard was approved by CEN on 20 April 2020.

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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.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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EN 12404:2020 (E)

European foreword

This document (EN 12404:2020) 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of an identical text or by endorsement, at the latest by November 2020, and conflicting national standards shall be withdrawn at the latest by November 2020.

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 12404:2015.

In comparison with the previous version, the following technical change has been made:

The list in Subclause 9.6 has been replaced by ratings.

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, Turkey and the United Kingdom.

Introduction

This document describes a laboratory method of test for the assessment of the effectiveness of a masonry fungicide applied to masonry for the prevention of the growth of dry rot, *Serpula lacrymans* (Schumacher ex Fries) S.F. Gray into wood.

This laboratory method enables the determination of the concentration of a preservative within mortar which could prevent the dry rot fungus from growing through a given mortar layer treated with this preservative.

Test results obtained with earlier versions of CEN/TS 12404 are still valid.

EN 12404:2020 (E)

1 Scope

This document specifies a method for determining the performance of a preservative, applied to the upper surface of the mortar test specimens, in preventing the growth of dry rot through the treated mortar when exposed to the test fungus.

This method is only applicable to masonry fungicides applied as a true solution of the preservative in water or dilute oil in water emulsion. It is not applicable to rods, pastes and other similar preservative types. This method is applicable to preservatives applied to masonry by brushing, spraying and/or injection techniques or mixed into rendering and plastering mortar for masonry.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 113:1996, *Wood preservatives - Test method for determining the protective effectiveness against wood destroying basidiomycetes - Determination of the toxic values*

EN 413-1, *Masonry cement - Part 1: Composition, specifications and conformity criteria*

EN 459-1, *Building lime - Part 1: Definitions, specifications and conformity criteria*

EN 599-1, *Durability of wood and wood-based products - Efficacy of preventive wood preservatives as determined by biological tests - Part 1: Specification according to use class*

EN ISO 3696, *Water for analytical laboratory use - Specification and test methods (ISO 3696)*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

masonry fungicide

fungicidal/fungistatic product applied to masonry and other mineral construction materials to prevent the growth of dry rot through or over the treated material

3.2

performance

behaviour of the preservative product in terms of its effectiveness in test

3.3

preservative

formulated masonry fungicide in the form received from the supplier for the test

3.4

supplier

sponsor of the test

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