

ICS 71.100.50

English version

Wood preservatives - Determination of the preventive effectiveness against sapstain fungi and mould fungi on freshly sawn timber - Field test

Produits de préservation du bois - Détermination de l'efficacité préventive contre le bleuissement et les moisissures des sciages frais - Essai de champ

Holzschutzmittel - Bestimmung der vorbeugenden Wirksamkeit gegen Schnittholzbläue und Schimmelpilze auf frisch geschnittenem Holz - Feldversuch

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Foreword

This document (CEN/TS 15082:2005) has been prepared by Technical Committee CEN/TC 38 “Durability of wood and wood-based products”, the secretariat of which is held by AFNOR.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this CEN Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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Introduction

This CEN Technical Specification specifies a field test method which gives a basis for assessing the effectiveness of a wood preservative product for the protection of freshly felled timber against colonization by sapstain, mould and other disfiguring micro-organisms. This field test method provides one criterion by which the value of a product can be assessed. If little is known about the activity of a product against sapstain and mould fungi, it is advisable to carry out a preliminary laboratory assessment using a suitable method.

To ensure that colonization of the test specimens will occur, the test should be carried out at sites where sapstain and mould growth occur on untreated susceptible timber species and should be carried out to coincide with the periods of higher fungal activity.

NOTE Periods of highest fungal activity are usually in the spring and autumn. If tests have not been conducted at a location previously, local experience should be sought to determine the most appropriate time of year.

The procedures described in this CEN Technical Specification are intended to be carried out by suitably trained and/or supervised specialists. Appropriate safety precautions should be observed throughout the use of the CEN Technical Specification.

1 Scope

This CEN Technical Specification specifies a field test method for determining the effectiveness of a product in the prevention of the colonization of freshly felled wood by sapstain fungi and mould fungi.

2 Terms and definitions

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

2.1

representative sample

sample having its physical or chemical characteristics identical to the volumetric average characteristics of the total volume being sampled

2.2

supplier

sponsor of the test (person or company providing the sample of wood preservatives to be tested)

3 Principle

Treatment of several series of test specimens of a susceptible wood species with solutions in which the concentrations of the test product are ranged in a given progression. Treatment of two series of similar test specimens with defined concentrations of a reference formulation. Exposure of these test specimens to colonization by the natural microflora. Comparison of the effectiveness of the test product with that of the reference formulation and the untreated control test specimens.

4 Test material and apparatus

4.1 Products and reagents

4.1.1 Diluents

For water-soluble or water-diluable preservatives use water of drinkable quality.

4.1.2 Reference formulation

Copper-8-quinolinolate.

NOTE 1 Details on this wood preservative are given in Annex A.

NOTE 2 If experience with another reference formulation is available in field tests in comparison with copper-8-quinolinolate, then an equivalent reference formulation can be used.