

STN	Náterové látky Náterové látky a náterové systémy na drevo používané vo vonkajšom prostredí Časť 7: Hodnotenie odolnosti proti sfarbeniu náterov na drevo spôsobenému hrčami	STN EN 927-7 67 2010
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Paints and varnishes - Coating materials and coating systems for exterior wood - Part 7: Assessment of knot staining resistance of wood coatings

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

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English Version

Paints and varnishes - Coating materials and coating systems for exterior wood - Part 7: Assessment of knot staining resistance of wood coatings

Peintures et vernis - Produits de peinture et systèmes de peinture pour le bois en extérieur - Partie 7 : Évaluation de la résistance des revêtements pour bois aux taches provoquées par les nœuds

Beschichtungsstoffe - Beschichtungsstoffe und Beschichtungssysteme für Holz im Außenbereich - Teil 7: Beurteilung der Beständigkeit von Holzbeschichtungen gegen Astausfärbung

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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 Test panels.....	6
4.1 Wood.....	6
4.2 Sampling of coating products	8
4.3 Preparation of coated panels.....	8
5 Equipment	8
5.1 Apparatus for accelerated ageing	8
5.2 Apparatus for colour measurements.....	8
6 Procedure of exposure	8
7 Measurements.....	9
7.1 Measurement of colour difference.....	9
7.2 Calculation of ΔE^*	9
7.3 Statistical evaluation	9
7.4 Flow diagram for test.....	9
8 Test report.....	10
Annex A (informative) Explanatory notes.....	11
A.1 General.....	11
A.2 Wood material.....	11
A.3 Impregnation	11
A.4 Precision.....	11
Bibliography.....	12

European foreword

This document (EN 927-7:2020) has been prepared by Technical Committee CEN/TC 139 “Paints and varnishes”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

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EN 927-7:2020 (E)**Introduction**

The treatment of exterior wood surfaces has both aesthetic and protective functions. A vital purpose of a coating system is to protect against discoloration caused by wood extractives. Discoloration can be characterized as tannin staining or as knot staining.

This document provides a method for assessment of discoloration of coatings on wood caused by wood extractives in knots, i.e. it relates to knot staining only.

The method can be used for testing exterior and interior coatings for wood.

Previous investigations have shown that xenon arc exposure shows better correlation to natural weathering than the fluorescent UV test method.

1 Scope

This document specifies a test method for assessing the discoloration of coating systems on wood due to wood extractives from knots. The discoloration is measured by colourimetry and the result is stated as the colour difference between the coated surface on the knot and the coated surface beside the knot.

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 14298, *Sawn timber — Assessment of drying quality*

EN ISO/CIE 11664-4, *Colorimetry — Part 4: CIE 1976 $L^*a^*b^*$ colour space (ISO/CIE 11664-4)*

EN ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling (ISO 15528)*

EN ISO 16474-2:2013, *Paints and varnishes — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps (ISO 16474-2:2013)*

EN ISO 18314-1, *Analytical colorimetry — Part 1: Practical colour measurement (ISO 18314-1)*

ISO 554, *Standard atmospheres for conditioning and/or testing — Specifications*

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