

Paints and varnishes - Coating materials and coating systems for exterior wood - Part 10: Resistance to blocking of paints and varnishes on wood

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 927-10:2019 sisaldab Euroopa standardi EN 927-10:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 927-10:2019 consists of the English text of the European standard EN 927-10:2019.
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EUROPEAN STANDARD

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Paints and varnishes - Coating materials and coating systems for exterior wood - Part 10: Resistance to blocking of paints and varnishes on wood

Peintures et vernis - Produits de peinture et systèmes de peinture pour le bois en extérieur - Partie 10 : Résistance au blocage des peintures et vernis sur bois

Beschichtungsstoffe - Beschichtungsstoffe und Beschichtungssysteme für Holz im Außenbereich - Teil 10: Bestimmung der Blockfestigkeit von Beschichtungsstoffen und Beschichtungssystemen für Holz

This European Standard was approved by CEN on 16 December 2018.

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Contents

Page

European foreword.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Principle.....	6
5 Apparatus.....	6
6 Sampling.....	7
7 Substrates.....	7
7.1 General.....	7
7.2 Substrate s1 – Spruce.....	7
7.3 Substrate s2 – Other wood species.....	8
7.4 Substrate s3 – Inert substrate.....	8
7.5 Substrate s4 – Other plane substrates.....	8
8 Application.....	9
8.1 General.....	9
8.2 Application to substrate s1 – spruce, s2 – other wood substrates, or substrate s4 - other plane substrates.....	9
8.3 Application to substrate s3 – inert substrate or substrate s4 - other plane substrates.....	10
8.4 Typical dry film thickness on stable wood constructions.....	10
9 Drying time.....	10
10 Preparation of test strips and specimen.....	10
10.1 General.....	10
10.2 Determination of the dry film thickness.....	11
11 Conditioning of test strips.....	11
12 Application of load.....	11
12.1 General.....	11
12.2 Load to be applied.....	12
12.3 Climatic conditions during loading.....	13
13 Evaluation.....	14
14 Precision.....	15
15 Test report.....	15
Annex A (normative) Necessary additional information.....	16
Annex B (informative) Suggested form for specifying application parameters.....	17
B.1 General.....	17
B.2 Specifying complete coating systems.....	17
B.3 Equipment.....	17

B.4	Process.....	17
B.5	Spreading rate.....	17
B.6	Flash-off.....	17
B.7	Drying and curing.....	18
B.8	Overcoating intervals.....	18
B.9	Sanding.....	18
B.10	Examples for specifying application parameters.....	18
	Bibliography	22

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European foreword

This document (EN 927-10:2019) 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 November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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.

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1 Scope

This document specifies a test method for determining, under specified optional conditions, whether a single-coat film or a multi-coat system of paints and varnishes on wood after a specified drying period is sufficiently dry to avoid damage when two painted surfaces or one painted surface and another surface are placed in contact under pressure and subsequently separated. The method is intended to simulate the conditions when painted articles come into contact with each other. In comparison to EN ISO 9117-2, the conditioning and parameters which influence the behaviour of wood coatings are more specific.

NOTE In some countries, the test is called a “block or blocking resistance” test.

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 927-1, *Paints and varnishes - Coating materials and coating systems for exterior wood - Part 1: Classification and selection*

EN ISO 1513, *Paints and varnishes - Examination and preparation of test samples (ISO 1513)*

EN ISO 2808, *Paints and varnishes - Determination of film thickness (ISO 2808)*

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

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

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 <http://www.iso.org/obp>

3.1 blocking

unwanted adhesion between two surfaces, at least one of which has been coated, when they are left in contact under load after a given drying period

Note 1 to entry: Blocking does not apply to bonding of coated surfaces after insufficient drying.

Note 2 to entry: In practice, blocking can occur if coated wood panels are stacked on each other or on windows and doors if the frames are in direct contact with the faces. Blocking depends on temperature and load (pressure).

Note 3 to entry: The term blocking is also sometimes used to describe agglomerated caked powder.

Note 4 to entry: Unwanted adhesion can lead to damage upon separation.

[SOURCE: EN ISO 4618:2014, 2.30, modified – added Notes to entry.]