

PINDAMINE. KATSEMEETODID. OSA 1: SIDEAINETE JA  
PUISTE ERIKULU JA LAOTUSTÄPSUS

Surface dressing - Test methods - Part 1: Rate of  
spread and accuracy of spread of binder and chippings

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 12272-1:2025 sisaldab Euroopa standardi EN 12272-1:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 05.11.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 12272-1:2025 consists of the English text of the European standard EN 12272-1:2025.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 05.11.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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EUROPEAN STANDARD

EN 12272-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 12272-1:2002

English Version

## Surface dressing - Test methods - Part 1: Rate of spread and accuracy of spread of binder and chippings

Enduits superficiels d'usure - Méthode d'essai - Partie  
1 : Taux d'épandage et régularité transversale du liant  
et des gravillons

Oberflächenbehandlung - Prüfverfahren - Teil 1:  
Dosierung und Genauigkeit der Verteilung von  
Bindemitteln und Gesteinskörnung

This European Standard was approved by CEN on 4 August 2025.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

This document (EN 12272-1:2025) has been prepared by Technical Committee CEN/TC 227 “Road materials”, the secretariat of which is held by BSI.

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 May 2026, and conflicting national standards shall be withdrawn at the latest by May 2026.

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 EN 12272-1:2002.

EN 12272-1:2025 includes the following significant technical changes with respect to EN 12272-1:2002:

- greater tolerance on “carpet” surfaces for controlling the binder dosage;
- for aggregates, introduction of weighing of aggregates (English method) in addition to the “volumetric” dosing box method.

This document is one of a series of standards as listed below:

EN 12272-1, *Surface dressing – Test methods – Part 1: Rate of spread and accuracy of spread of binder and chippings.*

EN 12272-2, *Surface dressing – Test methods – Part 2: Visual assessment of defects.*

EN 12272-3, *Surface dressing – Test methods – Part 3: Determination of binder aggregate adhesivity by the Vialit plate shock test method.*

In this document, the Annexes A, B, C and D are informative.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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, Türkiye and the United Kingdom.

## 1 Scope

This document specifies test methods for determining the rates of spread and accuracy of spread of binder and chippings of a surface dressing on a section of road at a given time.

This test method can also be used for determining the rate of spread and accuracy of spread of sprayed bituminous emulsions e.g. when used as bond coats or asphalt preservation systems. The performance categories for binder rate of spread and accuracy of spread in EN 12271 do not apply to bond coats and tack coats.

The test methods are used on site to check the ability of binder sprayers and chipping spreaders to meet the intended rates of spread and tolerances and coefficients of variation.

The test methods can be used to fulfil the Factory Production Control requirements of EN 12271 – Surface Dressings – Requirements.

- Plant and equipment calibration.
- Minimum inspection and test frequencies during production.

Using these methods for inspections during production (FPC), allows certain changes to these methods due to the specificity of certain sites and materials used (e.g. combined chipping-binder spreaders). In this case, the changes are documented in the Factory Production Control (FPC) and identified in the test reports.

Other test methods used to check the rate of spread and accuracy of spread of binder, such as the static spray bar bench test for sprayers, are not covered by this document.

WARNING — The use of this document can involve hazardous operations. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety practices and determine the applicability of regulatory limitations prior to use.

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

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

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

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

### 3.1

#### **surface dressing**

surface treatment consisting of the successive laying of at least one layer of binder and at least one layer of chippings

### 3.2

#### **chipping**

coarse aggregate within a narrow grading range, practically free of fines