

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

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12272-1:2002 sisaldab Euroopa standardi EN 12272-1:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 12.07.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12272-1:2002 consists of the English text of the European standard EN 12272-1:2002.</p> <p>This document is endorsed on 12.07.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This European Standard specifies test methods for determining the rates of spread and accuracy of spread of binder and chipping of surface dressing on a section of road at a given time. It is also applicable to surface dressings on airfields and other trafficked areas.</p>	<p><b>Scope:</b></p> <p>This European Standard specifies test methods for determining the rates of spread and accuracy of spread of binder and chipping of surface dressing on a section of road at a given time. It is also applicable to surface dressings on airfields and other trafficked areas.</p>
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English version

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

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

Oberflächenbehandlung - Prüfverfahren - Teil 1: Dosierung  
und Querverteilung von Bindemitteln und Splitt

This European Standard was approved by CEN on 9 November 2001.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
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## Foreword

This document EN 12272-1:2002 has been prepared by Technical Committee CEN/TC 227 "Road materials", 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 August 2002, and conflicting national standards shall be withdrawn at the latest by June 2004.

In this standard the annexes A and C are normative and the annexes B and D informative.

This European Standard 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.*

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

prEN 12272-3, *Surface dressing – Test methods – Part 3: Determination of binder aggregate adhesivity by the vialit plate shock test method; German version prEN 12272-3:1997.*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard 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. It is also applicable to surface dressings on airfields and other trafficked areas.

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 for measuring the rates of spread and accuracy of spread of binders and chippings are not applicable to combined chipping-binder spreaders.

## 2 Normative references

Not applicable.

## 3 Terms and definitions

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

### 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

#### **chippings**

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

NOTE Chippings can have specified values for strength, soundness, shape, polishing resistance, resistance to abrasion, purity, durability and affinity to bituminous binder.

### 3.3

#### **rate of spread of binder**

average mass of binder in kilograms per square metre ( $\text{kg/m}^2$ ), applied to the road surface when measured in accordance with this European Standard

### 3.4

#### **rate of spread of chippings**

average bulk volume in litres per square metre ( $\text{l/m}^2$ ) or, mass in kilograms per square metre ( $\text{kg/m}^2$ ) applied to the road surface, when measured in accordance with this European Standard

### 3.5

#### **proportional range**

difference between the maximum and minimum individual values of rates of spread of binder or chippings determined divided by the mean value, using the test methods in this European Standard

### 3.6

#### **accuracy of spread of binder**

Coefficient of variation of the mass of binder applied to the road surface when measured in accordance with this European Standard. The value and graph indicate the ability of the sprayer to apply binder evenly across the road

### 3.7

#### **accuracy of spread of chippings**

Coefficient of variation of the mass of chippings applied to the road surface when measured in accordance with this European Standard. The value and graph indicate the ability of the chipping spreader to apply the chippings evenly across the road