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

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EESTI STANDARDI EESSÕNA

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NATIONAL FOREWORD

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Käesolev Eesti standard EVS-EN 12272-	This Estonian standard EVS-EN 12272-
1:2002 sisaldab Euroopa standardi EN	1:2002 consists of the English text of the
12272-1:2002 ingliskeelset teksti.	European standard EN 12272-1:2002.
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ametlikus väljaandes.	standardisation organisation.
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Standard on kättesaadav Eesti	The standard is available from Estonian
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Käsitlusala:	Scope:
This European Standard specifies test	This European Standard specifies test
methods for determining the rates of	methods for determining the rates of
spread and accuracy of spread of binder	spread and accuracy of spread of binder

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Võtmesõnad: aggregates, binders : materials, defini, definitions, distribution, distribution of density, dosage, measurement, measuring techniques, pavements, pavements (roads), road construction, road superstructure, roads, roadstone aggregates, surface treatment, testing

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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

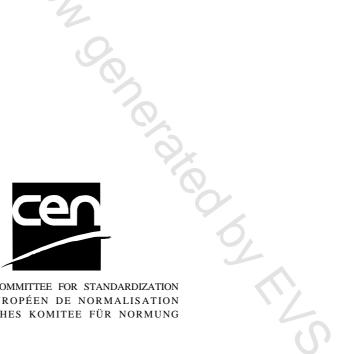
Oberflächenbehandlung - Prüfverfahren - Teil 1: Dosierung und Querverteilung von Bindemitteln und Splitt

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 COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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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 (kg/m²), 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 (I/m²) or, mass in kilograms per square metre (kg/m²) 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