

**Road and airfield surface
characteristics - Test methods - Part 3:
Measurement of pavement surface
horizontal drainability**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13036-3:2003 sisaldab Euroopa standardi EN 13036-3:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13036-3:2003 consists of the English text of the European standard EN 13036-3:2002.</p> <p>This document is endorsed on 18.02.2003 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>Käsitlusala:</p> <p>This European Standard describes a method for determining the horizontal drainability of a road surface as an indicator of relatively low surface texture using the outflow meter as a stationary device</p>	<p>Scope:</p> <p>This European Standard describes a method for determining the horizontal drainability of a road surface as an indicator of relatively low surface texture using the outflow meter as a stationary device</p>
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Võtmesõnad: appointments, area, definitions, drainage, finishes, layers, measurement, measuring techniques, pavements, pavements (roads), properties, road construction, road superstructure, roads, surface layers, surface properties, surfaces, testing

ICS 93.080.20

English version

**Road and airfield surface characteristics - Test methods - Part 3:
Measurement of pavement surface horizontal drainability**

Caractéristique de surface de routes et aérodrômes -
Méthodes d'essai - Partie 3: Méthodes d'essai pour
mesurer la drainabilité superficielle d'un revêtement de
chaussée

Oberflächeneigenschaften von Straßen und Flugplätzen -
Prüfverfahren - Teil 3: Messung der horizontalen
Entwässerung von Deckschichten

This European Standard was approved by CEN on 23 October 2002.

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
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Contents

	page
Foreword	3
Introduction	4
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Safety	5
5 Principle	5
6 Apparatus	5
7 Calibration	8
8 Sampling	9
9 Test procedure	9
10 Test results	10
11 Test report	10
12 Precision	10
Annex A (normative) Calibration and validation of the performance	11
Annex B (informative) Example for test report for combined measurements using outflow meter and pendulum	13
Bibliography	14

Foreword

This document (EN 13036-3:2002) 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 June 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.

This European Standard is one of a series of standards as listed below.

EN 13036-1, *Road and airfield surface characteristics — Test methods — Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique.*

prEN 13036-2, *Road and airfield surface characteristics — Test methods — Part 2: Procedure for determination of skid resistance of a pavement surface.*

EN 13036-3, *Road and airfield surface characteristics — Test methods — Part 3: Measurement of pavement surface horizontal drainability.*

prEN 13036-4, *Road and airfield surface characteristics — Test methods — Part 4: Method for measurement of slip/skid resistance of a surface — The pendulum test.*

prEN (00227131)-5, *Road and airfield surface characteristics — Test methods — Part 5: Definition and calculation of the longitudinal evenness indices.*

prEN (00227132)-6, *Road and airfield surface characteristics — Test methods — Part 6: Longitudinal evenness — Profilametrie test methods.*

prEN 13036-7, *Road and airfield surface characteristics — Test methods — Part 7: Irregularity measurement of pavement courses — The straightedge test.*

Annex A is normative. Annex B is informative.

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.

Introduction

Three test methods are described in the EN 13036 series of standards for assessing macrotexture which can be used in different applications, depending on availability of equipment, measuring speed requirement and surface texture range (see Table 1). The selection of the method is determined by the purchaser of the product. These test methods can be used as part of the evaluation of surface skid resistance in accordance with prEN 13036-2.

Table 1 — Test methods for assessing macrotexture

Test methods		Validity range (expressed in Mean Profile Depth, MPD)
EN 13036-1	Measurement of pavement surface macrotexture depth using a volumetric technique	0,25 mm to 5 mm
ISO 13473-1	Determination of Mean Profile Depth (MPD)	0 mm to 5 mm
EN 13036-3	Measurement of pavement surface horizontal drainability	0 mm to 0,4 mm

1 Scope

This European Standard describes a method for determining the horizontal drainability of a road surface as an indicator of relatively low surface texture using the outflow meter as a stationary device.

The method provides a measure of the drainability in the road/tyre contact area for use on all smooth non porous road surfaces (less than 0,4 mm mean profile depth) either in the field or in the laboratory.

As the method measures the horizontal drainability of a small area of the surface only the selection of the test area should be assessed carefully so that it is representative of the general area on which the measurements are to be made.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

ISO 868, *Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness)*.