

# SLOVENSKI STANDARD oSIST prEN 12697-40:2019

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Bitumenske zmesi - Preskusne metode - 40. del: Prepustnost vgrajene plasti (in situ)

Bituminous mixtures - Test methods - Part 40: In situ drainability

Asphalt - Prüfverfahren - Teil 40: In-situ-Durchlässigkeit

Mélanges bitumineux - Méthodes d'essai - Partie 40 : Perméabilité en place

Ta slovenski standard je istoveten z: prEN 12697-40

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### oSIST prEN 12697-40:2019

# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

# DRAFT prEN 12697-40

December 2018

Will supersede EN 12697-40:2012

**English Version** 

# Bituminous mixtures - Test methods - Part 40: In situ drainability

Mélanges bitumineux - Méthodes d'essai - Partie 40 : Perméabilité en place Asphalt - Prüfverfahren - Teil 40: In-situ-Durchlässigkeit

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 227.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation. FN = 12697 - 40(2020)

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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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ICS

## oSIST prEN 12697-40:2019

## prEN 12697-40:2018 (E)

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# **European foreword**

This document (prEN 12697-40:2018) has been prepared by Technical Committee CEN/TC 227 "Road materials", the secretariat of which is held by BSI.

This document is currently submitted to the enquiry.

This document will supersede EN 12697-40:2012.

The following is a list of significant technical changes since the previous edition:

- The title no longer makes the method exclusively for hot mix asphalt;
- [ge] Editorial update according to current standard template.

A list of all parts in the EN 12697 series can be found on the CEN website.

# iTeh Standards (https://standards.iteh.ai) Document Preview

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## 1 Scope

This document describes a method to determine the *in situ* relative hydraulic conductivity, at specific locations, of a road surfacing that is designed to be permeable. An estimate of the average value for the surfacing is obtained from the mean value of a number of determinations on each section of road.

The test measures the ability to drain water (drainability) achieved *in situ* of a surfacing. As such, it can be used as a compliance check to ensure that a permeable surface course has the required properties when it is laid. The test can also be used subsequently to establish the change of drainage ability with time.

For the test to be valid, the surface of the test area should be clean and free from detritus. Measurements can be made when a road is either wet or dry, but not if it is in a frozen state.

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

## 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

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3.1://standards.iteh.ai/catalog/standards/sist/062e6b5e-49f1-4a47-9917-1be31e77402f/sist-en-12697-40-2020 outflow time

time (s) that elapses for an outflow of 4,0 L through the permeameter, between the meniscus at the 5 L mark and when it falls to the 1 L mark

#### 3.2

### series resistance time

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outflow time(s) that is determined when the permeameter is located so the outlet is clear of any surfacing that could impede the exit of out-flowing water

Note 1 to entry: The method for calculating the series resistance time is given in Annex A.

Note 2 to entry: The series resistance time is subtracted from measurements of outflow time when the permeameter is used on a surfacing of a pavement.

#### 3.3

#### parallel leakage time

outflow time when the outlet is restricted by an impermeable surface