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ETTEVALMISTAMINE SIDEAINESISALDUSE,  
VEESISALDUSE JA TERASTIKULISE KOOSTISE  
MÄÄRAMISEKS

Bituminous mixtures - Test methods - Part 28:  
Preparation of samples for determining binder content,  
water content and grading

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 12697-28:2020 sisaldab Euroopa standardi EN 12697-28:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 12697-28:2020 consists of the English text of the European standard EN 12697-28:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 26.02.2020.	Date of Availability of the European standard is 26.02.2020.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

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EUROPEAN STANDARD

EN 12697-28

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 12697-28:2000

English Version

## Bituminous mixtures - Test methods - Part 28: Preparation of samples for determining binder content, water content and grading

Mélanges bitumineux - Méthodes d'essai - Partie 28 :  
Préparation des échantillons pour la détermination de  
la teneur en liant, de la teneur en eau et de la  
granularité

Asphalt - Prüfverfahren - Teil 28: Vorbereitung von  
Proben zur Bestimmung des Bindemittelgehaltes, des  
Wassergehaltes und zur Korngrößenbestimmung

This European Standard was approved by CEN on 18 November 2019.

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.

CEN members are the national standards bodies of 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, Turkey and United Kingdom.



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

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## European foreword

This document (EN 12697-28:2020) 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 August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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 12697-28:2000.

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;
- [ge] NOTES modified or adjusted to normal text where appropriate according to ISO/IEC Directives – Part 2:2016, 24.5;
- [Clause 2] corrected reference to EN 12697-36. Reference to EN 58 deleted;
- [Clause 3] reference to EN 58 deleted;
- [5.3.1] dated reference to EN 12697-36 deleted;
- [5.5] Figures 2 and 3 quality improved;
- [5.5.1] Table 2 clarified. Minimum test portion amended.

A list of all parts in the EN 12697 series 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, Turkey and the United Kingdom.

## 1 Scope

This document describes test methods for preparing test portions for the determination of the binder, water content and grading of samples of bituminous mixtures, when the sample submitted to the laboratory has a mass greater than or equal to four times the test portion.

## 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 932-1, *Tests for general properties of aggregates — Part 1: Methods for sampling*

EN 12697-36, *Bituminous mixtures — Test methods for hot mix asphalt — Part 36: Determination of the thickness of a bituminous pavement*

## 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 <https://www.iso.org/obp/ui>

### 3.1

#### **representative sample**

bulk sample consisting of a specified number of increments purposely taken to represent a specific quantity or area of material

Note 1 to entry: A representative sample is assumed to have the same composition as the material sampled, within the limits of precision associated with the method of sampling.

### 3.2

#### **laboratory sample**

sample despatched to the laboratory

Note 1 to entry: It can be the whole or part of the bulk or representative sample and sufficient quantity for all tests required.

### 3.3

#### **test portion**

part of the laboratory sample to be used for a specific test procedure to produce a single test result

### 3.4

#### **test specimen**

part of the test portion on which a single test is carried out

Note 1 to entry: A number of tests might be necessary to produce a test result.