

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

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12697-28:2001 sisaldab Euroopa standardi EN 12697-28:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.05.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12697-28:2001 consists of the English text of the European standard EN 12697-28:2000.</p> <p>This document is endorsed on 18.05.2001 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: This European Standard 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.</p>	<p>Scope: This European Standard 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.</p>
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Võtmesõnad: determin, grades, grading (quality), hot mix asphalts, mathematical calculations, measurement, mechanical properties, performance tests, physical properties, quality, road construction, sampling, sampling methods, specimen preparation, testing, water content

ICS 93.080.20

English version

Bituminous mixtures

Test methods for hot mix asphalt

Part 28: Preparation of samples for determining binder content, water content and grading

Mélange bitumineux – Essais pour enrobés à chaud – Partie 28: Préparation des échantillons pour la détermination de la teneur en liant, de la teneur en eau et de la granularité

Asphalt – Prüfverfahren für Heiasphalt – Teil 28: Vorbereitung von Proben zur Bestimmung des Bindemittelgehaltes, des Wassergehaltes und zur Korngrenbestimmung

This European Standard was approved by CEN on 2000-11-24.

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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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
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Foreword

This European Standard 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 2001, and conflicting national standards shall be withdrawn at the latest by August 2005.

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom

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

EN 12697-1, *Bituminous mixtures - Test methods for hot mix asphalt - Part 1: Soluble binder content*

prEN 12697-2:1998, *Bituminous mixtures - Test methods for hot mix asphalt - Part 2: Particle size distribution*

EN 12697-3, *Bituminous mixtures - Test methods for hot mix asphalt - Part 3: Binder recovery: Rotary evaporator*

EN 12697-4, *Bituminous mixtures - Test methods for hot mix asphalt - Part 4: Binder recovery: Fractionating column*

prEN 12697-5:1996, *Bituminous mixtures - Test methods for hot mix asphalt - Part 5: Determination of the maximum density*

prEN 12697-6:1996, *Bituminous mixtures - Test methods for hot mix asphalt - Part 6: Determination of bulk density of bituminous specimen by hydro-static method*

prEN 12697-7:1996, *Bituminous mixtures - Test methods for hot mix asphalt - Part 7: Determination of bulk density of bituminous specimens by gamma rays*

prEN 12697-8:1996, *Bituminous mixtures - Test methods for hot mix asphalt - Part 8: Determination of the air voids content of bituminous materials*

prEN 12697-9:1997, *Bituminous mixtures - Test methods for hot mix asphalt - Part 9: Determination of the reference density, gyrator compactor*

prEN 12697-10:1996, *Bituminous mixtures - Test methods for hot mix asphalt - Part 10: Compactibility*

prEN 12697-11:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 11: Determination of the affinity between aggregate and bitumen*

prEN 12697-12:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 12: Determination of the water sensitivity of bituminous specimens*

EN 12697-13, *Bituminous mixtures - Test methods for hot mix asphalt - Part 13: Temperature measurement*

EN 12697-14, *Bituminous mixtures - Test methods for hot mix asphalt - Part 14: Water content*

prEN 12697-15:1997, *Bituminous mixtures - Test methods for hot mix asphalt - Part 15: Determination of the segregation sensitivity of bituminous mixtures*

prEN 12697-16:2000, *Bituminous mixtures - Test methods for hot mix asphalt - Part 16: Abrasion by studded tyres*

- prEN 12697-17, *Bituminous mixtures - Test methods for hot mix asphalt – Part 17: Partial loss of specimen*
- prEN 12697-18:1997, *Bituminous mixtures - Test methods for hot mix asphalt - Part 18: Binder drainage from porous asphalt*
- prEN 12697-19:2000, *Bituminous mixtures - Test methods for hot mix asphalt – Part 19: Permeability of specimen*
- prEN 12697-20:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 20: Indentation using cube or marshall specimens*
- prEN 12697-21:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 21: Indentation using plate specimens*
- prEN 12697-22:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 22: Wheel tracking*
- prEN 12697-23:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 23: Determination of the indirect tensile strength of bituminous specimens*
- prEN 12697-24:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 24: Resistance to fatigue*
- prEN 12697-25, *Bituminous mixtures - Test methods for hot mix asphalt – Part 25: Dynamic creep test*
- prEN 12697-26:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 26: Stiffness*
- EN 12697-27, *Bituminous mixtures - Test methods for hot mix asphalt - Part 27: Sampling*
- EN 12697-28, *Bituminous mixtures - Test methods for hot mix asphalt – Part 28: Preparation of samples for determining binder content, water content and grading*
- prEN 12697-29:1996, *Bituminous mixtures - Test methods for hot mix asphalt - Part 29: Determination of the dimensions of bituminous specimen*
- prEN 12697-30:2000, *Bituminous mixtures - Test methods for hot mix asphalt - Part 30: Specimen preparation, impact compactor*
- prEN 12697-31:2000, *Bituminous mixtures - Test methods for hot mix asphalt - Part 31: Specimen preparation, gyratory compactor*
- prEN 12697-32:1997, *Bituminous mixtures - Test methods for hot mix asphalt - Part 32: Laboratory compaction of bituminous mixtures by a vibratory compactor*
- prEN 12697-33:1999, *Bituminous mixtures - Test methods for hot mix asphalt – Part 33: Specimen preparation, slab compactor*
- prEN 12697-34:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 34: Marshall test*
- prEN 12697-35, *Bituminous mixtures - Test methods for hot mix asphalt – Part 35: Laboratory mixing*
- prEN 12697-36:1996, *Bituminous mixtures - Test methods for hot mix asphalt - Part 36: Method for the determination of the thickness of a bituminous pavement*
- prEN 12697-37:1999, *Bituminous mixtures - Test methods for hot mix asphalt - Part 37: Hot sand test for the adhesivity of binder on precoated chippings for HRA*
- prEN 12697-38, *Common equipment and calibration*

The applicability of this European Standard is described in the product standards for bituminous mixtures.

No existing European Standard is superseded.

1 Scope

This European Standard 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

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).

EN 58, *Sampling bituminous binders*.

EN 932-1, *Tests for general properties of aggregates – Part 1: Methods for sampling*.

prEN 12697-36:1996, *Bituminous mixtures - Test methods for hot mix asphalt – Part 36: Method for the determination of the thickness of a bituminous pavement*.

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 58 and the following apply.

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 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 It may be the whole or part of the bulk or representative sample and should be of sufficient quantity for all tests required