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Bitumenske zmesi - Preskusne metode - 6. del: Ugotavljanje prostorninske gostote bitumenskih preskušancev

Bituminous mixtures - Test methods - Part 6: Determination of bulk density of bituminous specimens

Asphalt - Prüfverfahren - Teil 6: Bestimmung der Raumdichte von Asphalt-Probekörpern

Matériaux enrobés - Méthodes d'essai - Partie 6 : Détermination de la masse volumique apparente des éprouvettes bitumineuses

Ta slovenski standard je istoveten z: prEN 12697-6

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**Bituminous mixtures - Test methods - Part 6:
Determination of bulk density of bituminous specimens**

Matériaux enrobés - Méthodes d'essai - Partie 6 :
Détermination de la masse volumique apparente des
éprouvettes bitumineuses

Asphalt - Prüfverfahren - Teil 6: Bestimmung der
Raumdichte von Asphalt-Probekörpern

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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.

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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.

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European foreword

This document (prEN 12697-6:2018) 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 12697-6:2012.

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;
- [6.1.1] Description of accuracy for balance amended to; “With an accuracy of at least 0,1 g for masses up to 5 kg, and 1 g for masses over 5 kg. (Ref. 12697-38).

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

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1 Scope

This document describes test methods for determining the bulk density of a compacted bituminous specimen. The test methods are intended for use with laboratory compacted specimens or specimens from the pavement after placement and compacting, either by coring or sawing.

This document describes the following four procedures, the choice of which is used being dependent on the estimated content and accessibility of voids in the specimen:

- a) bulk density — dry (for specimens with a very closed surface);
- b) bulk density — saturated surface dry (SSD) (for specimens with a closed surface);
- c) bulk density — sealed specimen (for specimens with an open or coarse surface);
- d) bulk density by dimensions (for specimens with a regular surface and with geometric shapes, i.e. squares, rectangles, cylinders, etc.).

NOTE Annex A (informative) gives general guidance on selecting the appropriate procedure.

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 12697-29, *Bituminous mixtures - Test method for hot mix asphalt - Part 29: Determination of the dimensions of a bituminous specimen*

EN 13108-20, *Bituminous mixtures - Material specifications - Part 20: Type Testing*

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>

3.1

bulk density

mass per unit volume, including the air voids, of a specimen at known test temperature

3.2

maximum density

mass per unit volume, without air voids, of a bituminous mixture at known test temperature