SLOVENSKI STANDARD
oSIST prEN 12697-32:2018

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Bitumenske zmesi - Preskusne metode - 32. del: Laboratorijska zgostitev bitumenskih zmesi z vibracijskim zgoščevalnikom

Bituminous mixtures - Test methods - Part 32: Laboratory compaction of bituminous mixtures by vibratory compactor

Asphalt - Prüfverfahren - Teil 32: Laborverdichtung von Asphalt mit einem Vibrationsverdichter

Matériaux enrobés - Méthodes d'essai - Partie 32 : Compactage en laboratoire de mélanges bitumineux par compacteur vibratoire

Ta slovenski standard je istoveten z: **prEN 12697-32**

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93.080.20 Materiali za gradnjo cest Road construction materials

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DRAFT
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English Version

Bituminous mixtures - Test methods - Part 32: Laboratory compaction of bituminous mixtures by vibratory compactor

Matériaux enrobés - Méthodes d'essai - Partie 32 : Compactage en laboratoire de mélanges bitumineux par compacteur vibratoire

Asphalt - Prüfverfahren - Teil 32: Laborverdichtung von Asphalt mit einem Vibrationsverdichter

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.

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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 COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 12697-32:2017) has been prepared by Technical Committee CEN/TC 227 “Road materials”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 12697-32:2003+A1:2007.

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

— The series title no longer makes the method exclusively for hot mix asphalt;

— the scope includes compaction with a vibratory slab compactor;

— EN 1097-5 replaces EN 12697-14 for water content [A.2.8];

— the compaction time is limited to 4 min [7.1.7];

— corrections to the key to Figure 1.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

1 Scope

This document describes a test method for the preparation of bituminous test specimens using a vibratory compaction technique.

This document is applicable to loose mixtures and cores and is used to establish a refusal density for a bituminous mixture, or to determine the ease of compaction as described in EN 12697-10.

If the mixture has been reheated, the specimen shall not be used for determining further mechanical characteristics.

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 1097-5, *Tests for mechanical and physical properties of aggregates - Part 5: Determination of the water content by drying in a ventilated oven*

EN 12697-6, *Bituminous mixtures - Test methods for hot mix asphalt - Part 6: Determination of bulk density of bituminous specimens*

EN 12697-8, *Bituminous mixtures - Test methods for hot mix asphalt - Part 8: Determination of void characteristics of bituminous specimens*

EN 12697-10, *Bituminous mixtures - Test methods for hot mix asphalt - Part 10: Compactability*

EN 12697-27, *Bituminous mixtures - Test methods - Part 27: Sampling*

EN 12697-35, *Bituminous mixtures - Test methods - Part 35: Laboratory mixing*

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 in air per unit volume of the compacted specimen at ambient temperature

3.2
refusal density
mass per unit volume, including voids, of the specimen compacted to refusal

3.3
refusal air voids content
air voids content of specimen compacted to refusal in accordance with the test method