SLOVENSKI STANDARD
oSIST prEN 12697-10:2025

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Bitumenske zmesi - Preskusne metode - 10. del: Zgostljivost

Bituminous mixtures - Test methods - Part 10: Compactability

Asphalt - Prüfverfahren - Teil 10: Verdichtbarkeit

Mélanges bitumineux - Méthodes d'essai - Partie 10 : Compactabilité

Ta slovenski standard je istoveten z: **prEN 12697-10**

ICS:

93.080.20	Materiali za gradnjo cest	Road construction materials

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EUROPEAN STANDARD
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prEN 12697-10

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Will supersede EN 12697-10:2017

English Version

Bituminous mixtures - Test methods - Part 10: Compactability

Mélanges bitumineux - Méthodes d'essai - Partie 10 : Compactabilité

Asphalt - Prüfverfahren - Teil 10: Verdichtbarkeit

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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Contents

European foreword

This document (prEN 12697-10:2024) 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 CEN Enquiry.

This document will supersede EN 12697-10:2017.

prEN 12697-10:2024 includes the following significant technical changes with respect to EN 12697-10:2017:

- [European Foreword] deletion of paragraph: “The applicability of this European Standard is described in the product standards for bituminous materials.”;
- [Clause 2] the titles for test methods corrected by deletion of “for hot mix asphalt”;
- [5.1.2] amended to read: “mm with a maximum permissible error of 0,1 mm.”
- [5.1.3] amended to read: “**Slide calliper rule**, capable to measure the thickness of the specimen to the nearest 0,1 mm with a maximum permissible error of 0,2 mm.”
- [6.1.2] 2nd paragraph clarified;
- [Clause 8] information to be included in the test report amended.

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

1 Scope

This document describes three test methods for characterizing the compactability of a bituminous mix, by the relation between its density or void content and the compaction energy applied to it, using an impact (Marshall) compactor, gyratory compactor, or a vibratory compactor.

This document applies to bituminous mixtures, both those prepared in laboratory and those resulting sampled from plant produced mixtures. The results of the test method serve to supplement the results of mixture design.

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 12697-5, *Bituminous mixtures — Test methods— Part 5: Determination of the maximum density*

EN 12697-6, *Bituminous mixtures — Test methods— Part 6: Determination of bulk density of bituminous specimens*

EN 12697-8, *Bituminous mixtures — Test methods— Part 8: Determination of void characteristics of bituminous specimens*

EN 12697-30, *Bituminous mixtures — Test methods— Part 30: Specimen preparation by impact compactor*

EN 12697-31, *Bituminous mixtures — Test methods— Part 31: Specimen preparation by gyratory compactor*

EN 12697-32, *Bituminous mixtures — Test methods— Part 32: Laboratory compaction of bituminous mixtures by vibratory compactor*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at https://www.iso.org/obp/
- IEC Electropedia: available at https://www.electropedia.org/

3.1
compactability

K, *k*

ability of an asphalt mixture to be compacted (*K* when evaluated by gyratory compaction and *k* when evaluated by vibratory compaction)

Note 1 to entry: High values of *K* and *k* will indicate a mixture for which less compaction energy is required to obtain a given void content decrease.