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Bituminous mixtures - Test method - Part 33: Specimen prepared by roller compactor

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

**Bituminous mixtures - Test method - Part 33: Specimen
prepared by roller compactor**

Mélanges bitumineux - Méthodes d'essai - Partie 33 :
Préparation de corps d'épreuve au compacteur de
plaque

Asphalt - Prüfverfahren - Teil 33:
Probestückvorbereitung mittels
Walzverdichtungsgerät

This European Standard was approved by CEN on 19 November 2018.

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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.

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

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EN 12697-33:2019 (E)

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European foreword

This document (EN 12697-33:2019) 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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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 12697-33:2003+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;
- [Clause 1] Scope clarified. Listed methods named according to the standard for consistency;
- [Clause 3] [3.1] Deleted. Following sub clauses renumbered;
- [3.2] Symbols and abbreviations deleted. Given in relevant clauses;
- [5.2.1.1] Inappropriate definition of moulds for steel wheel rollers deleted;
- [5.2.1.2] Formula (1) corrected;
- [5.3] Method for steel roller sector introduced. Method using a roller running on vertical sliding steel plates now described in new clause [5.4];
- [5.4.4] Hatching for plates in Figure 3 made vertical for clarity;
- [6.2] Pre-heating of the mould and other metallic moveable parts clarified and the pre-heating temperature shall be reported;
- [7.1.1] Distance between twinned wheels clarified by referring to centre lines;
- [7.3] Compaction procedure using steel roller sector introduced. Compaction procedure using a roller running on vertical sliding steel plates now described in new clause [7.4].

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 12697-33:2019 (E)**1 Scope**

This document specifies the methods for compacting parallelepipedal specimens (slabs) of bituminous mixtures, to be used directly for subsequent testing, or from which test specimens are cut.

For a given mass of bituminous mixture, the specimens are prepared either under controlled compaction energy, or until a specified volume and therefore air voids content is obtained.

This document describes the following methods of compaction:

- method using a wheel or two wheels fitted with pneumatic tyres;
- methods using a steel roller, which includes 3 different procedures:
 - steel roller;
 - steel roller used on wheel fitted with pneumatic tyres;
 - steel roller running on vertical sliding steel plates;
- method using a steel roller sector.

This document is applicable to bituminous mixtures manufactured in the laboratory or in a mixing plant.

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

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN