

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 12697-33:2019+A1:2022 sisaldab Euroopa standardi EN 12697-33:2019+A1:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 12697-33:2019+A1:2022 consists of the English text of the European standard EN 12697-33:2019+A1:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
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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 and includes Amendment 1 approved by CEN on 8 August 2022.

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European foreword

This document (EN 12697-33:2019+A1:2022) 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of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

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 includes Amendment 1 approved by CEN on 8 August 2022.

This document supersedes A1 EN 12697-33:2019 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

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 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*

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:

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

3.1

pass

one forward or one backward motion of the rolling load

3.2

slab axis

axis of symmetry of slab parallel to the largest dimension of the mould

3.3

lateral axis

axis of a pass parallel to largest dimension of a mould; situated at distance a from the slab axis (see Figure 1)