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Bitumens and bituminous binders - Preparation of test samples

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/25

Rozpracovaná prekladom.

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EUROPEAN STANDARD

EN 12594

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2024

ICS 75.140; 91.100.50

Supersedes EN 12594:2014

English Version

## Bitumens and bituminous binders - Preparation of test samples

Bitumes et liants bitumineux - Préparation des échantillons d'essai

Bitumen und bitumenhaltige Bindemittel - Vorbereitung von Untersuchungsproben

This European Standard was approved by CEN on 26 August 2024.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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 12594:2024 (E)**

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>1 Scope</b> .....	<b>4</b>
<b>2 Normative references</b> .....	<b>4</b>
<b>3 Terms and definitions</b> .....	<b>4</b>
<b>4 Principle</b> .....	<b>5</b>
<b>5 Reagents</b> .....	<b>5</b>
<b>6 Apparatus</b> .....	<b>5</b>
<b>7 Procedure for preparation of test samples</b> .....	<b>6</b>
7.1 <b>General</b> .....	<b>6</b>
7.2 <b>Solid or semi-solid samples</b> .....	<b>6</b>
7.2.1 <b>Samples up to one litre</b> .....	<b>6</b>
7.2.2 <b>Samples greater than one litre</b> .....	<b>7</b>
7.3 <b>Soft paving grade bitumen, cut-back and fluxed bitumen</b> .....	<b>8</b>
7.4 <b>Bituminous emulsions</b> .....	<b>8</b>
7.4.1 <b>Conditioning of the emulsions prior to preparation for testing</b> .....	<b>8</b>
7.4.2 <b>Test samples for sieve residue testing according to EN 1429 and settling tendency testing according to EN 12847</b> .....	<b>9</b>
7.4.3 <b>Test samples for all tests except EN 1429 and EN 12847</b> .....	<b>9</b>
7.5 <b>Test samples obtained from a specific procedure</b> .....	<b>9</b>
<b>8 Test report</b> .....	<b>10</b>
<b>Bibliography</b> .....	<b>11</b>

## European foreword

This document (EN 12594:2024) has been prepared by Technical Committee CEN/TC 336 “Bitumens and bituminous binders”, the secretariat of which is held by AFNOR.

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 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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 12594:2014.

EN 12594:2024 includes the following significant changes with respect to EN 12594:2014:

- definitions of laboratory sample and test sample have been reviewed;
- definitions of test specimen and melting have been added;
- reference to most reagents and materials have been deleted as already covered in other standards;
- description of apparatus has been completed;
- procedure in Clause 7 has been modified to ensure consistency with test standards and to better precise conditions, in particular heating time and heating temperatures;
- structure of 7.4 has been modified to facilitate its reading;
- recommendations on the storage of emulsions have been added.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## EN 12594:2024 (E)

### 1 Scope

This document specifies methods for preparing test samples of bitumens and bituminous binders in order to test their properties.

**WARNING** — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

### 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 58, *Bitumen and bituminous binders — Sampling bituminous binders*

EN 1425, *Bitumen and bituminous binders — Characterization of perceptible properties*

EN 1427, *Bitumen and bituminous binders — Determination of the softening point — Ring and Ball method*

EN 1429:2013, *Bitumen and bituminous binders — Determination of residue on sieving of bituminous emulsions, and determination of storage stability by sieving*

EN 12597, *Bitumen and bituminous binders — Terminology*

EN 12847, *Bitumen and bituminous binders — Determination of settling tendency of bituminous emulsions*

EN ISO 3696:1995, *Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)*

ISO 3310-1:2016, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**