



**NSAI**  
Standards

Irish Standard  
I.S. EN 12697-56:2019

# Bituminous mixtures - Test methods - Part 56: Specimen preparation by static compaction

**I.S. EN 12697-56:2019**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 12697-56:2019 is the adopted Irish version of the European Document EN 12697-56:2019, Bituminous mixtures - Test methods - Part 56: Specimen preparation by static compaction

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EUROPEAN STANDARD

EN 12697-56

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2019

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English Version

## Bituminous mixtures - Test methods - Part 56: Specimen preparation by static compaction

Mélanges bitumineux - Méthodes d'essai - Partie 56 :  
Confection d'éprouvettes par compacteur statique

Asphalt - Prüfverfahren - Teil 56:  
Probekörperherstellung durch Statische Verdichtung

This European Standard was approved by CEN on 17 June 2019.

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## **European foreword**

This document (EN 12697-56:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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.

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## EN 12697-56:2019 (E)

### 1 Scope

This document specifies a method for compacting cylindrical specimens of bituminous mixtures, to be used for subsequent testing. A given mass of bituminous mixture is compacted in a cylindrical mould by applying static compression loads on the top and the bottom of the specimen.

### 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*

EN 12697-54, *Bituminous mixtures - Test methods - Part 54: Curing of specimen for test of mixtures with bitumen emulsion*

### 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 compaction stress

$\sigma_{\text{comp}}$

desired vertical stress applied on top and bottom of compaction plates, expressed in MPa

#### 3.2 compaction force

$F_{\text{comp}}$

desired vertical force applied on top and bottom of compaction plates to achieve the compaction stress  $\sigma_{\text{comp}}$ , expressed in kN

#### 3.3 compaction time

$t_{\text{comp}}$

timespan within the compaction stress is held constant

#### 3.4 specimen dimensions

dimensions of the specimen are defined by their diameter  $d$  and their height  $h$ , expressed in mm



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