

Irish Standard I.S. EN 12697-54:2019

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

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#### I.S. EN 12697-54:2019

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# **National Foreword**

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# EUROPEAN STANDARD NORME EUROPÉENNE

# EN 12697-54

**EUROPÄISCHE NORM** 

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**English Version** 

# Bituminous mixtures - Test methods - Part 54: Curing of specimen for test of mixtures with bitumen emulsion

Mélanges bitumineux - Méthodes d'essai - Partie 54: Mûrissement d'éprouvettes d'essai pour enrobés à l'émulsion de bitume Asphalt - Prüfverfahren - Teil 54: Reifung von Probekörpern aus emulsionsgebundenem Mischgut

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# EN 12697-54:2019 (E)

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# **European foreword**

This document (EN 12697-54:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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# EN 12697-54:2019 (E)

# 1 Scope

This document describes a series of accelerated protocols for curing of bituminous mixtures with bitumen emulsion in order to assess their properties.

The protocols are to be selected according to the type of mixture, the type of specimen, the test to be carried out and the conditions of the place of use.

This document applies to mixtures, specimens and cores, prepared in the laboratory and/or taken from the worksite.

The laboratory curing procedure is designed for bituminous mixtures containing bitumen emulsions, but it could also be used for other types of asphalt mixture that require curing in order to reach their potential strength.

# 2 Normative references

There are no normative references in this document.

# **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 <u>http://www.iso.org/obp</u>

# 3.1

# curing level

status and properties of the specimen, after subjecting to the chosen curing protocol

# 3.2

# conventional curing level

status of the specimen, after subjecting to the chosen curing protocol, when its properties are assumed to be equivalent to the properties in the field

Note 1 to entry: To determine the conventional curing level and appropriate curing protocols, studies can be developed aimed to compare the properties after the protocols and the properties obtained in the field.

Note 2 to entry: Furthermore, in the manufacture and compaction of the mix, it is possible that some curing occurs. It is convenient to evaluate this effect.

# 3.3

# non-compacted mixtures

bituminous mixture that has not been subjected to compaction process

# 3.4

# unconfined specimen

compacted specimen to be subjected to curing after being extracted from the mould

# 3.5

# confined specimen

compacted specimen to be subjected to curing before being extracted from the mould



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