This is a free page sample. Access the full version online.

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

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

© CEN 2019 No copying without NSAI permission except as permitted by copyright law.

This is a free page sample. Access the full version online.

I.S. EN 12697-54:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:	*Published:*
EN 12697-54:2019	2019-09-25

This document was published under the authority of the NSAI and comes into effect on:	ICS number:
2019-10-14	93.080.20
	NOTE: If blank see CEN/CENELEC cover page

NSAI	T +353 1 807 3800	Sales:
1 Swift Square,	F +353 1 807 3838	T +353 1 857 6730
Northwood, Santry	E standards@nsai.ie	F +353 1 857 6729
Dublin 9	W NSAI.ie	W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

National Foreword

I.S. EN 12697-54:2019 is the adopted Irish version of the European Document EN 12697-54:2019, Bituminous mixtures - Test methods - Part 54: Curing of specimen for test of mixtures with bitumen emulsion

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This is a free page sample. Access the full version online.

This page is intentionally left blank

This is a free page sample. Access the full version online.

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 12697-54

September 2019

ICS 93.080.20

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

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

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.

CEN members are the national standards bodies of 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, Turkey and United Kingdom.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2019 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 12697-54:2019 E

This is a free page sample. Access the full version online.

Contents

Page

This is a free page sample. Access the full version online.

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.

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.

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

This is a free page sample. Access the full version online.

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 http://www.iso.org/obp

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

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation