



NSAI
Standards

Irish Standard
I.S. EN 12697-55:2019

Bituminous mixtures - Test methods - Part 55: Organoleptic assessment of mixtures with bitumen emulsion

I.S. EN 12697-55:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

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EUROPEAN STANDARD

EN 12697-55

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2019

ICS 93.080.20

English Version

**Bituminous mixtures - Test methods - Part 55:
Organoleptic assessment of mixtures with bitumen
emulsion**

Mélanges bitumineux - Méthodes d'essai pour mélange
hydrocarboné - Partie 55 : Evaluation organoleptique
des mélanges à l'émulsion de bitume

Asphalt - Prüfverfahren für Asphalt - Teil 55:
Organoleptische Ansprache für emulsionsgebundenes
Mischgut

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

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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 foreword

This document (EN 12697-55:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.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.

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EN 12697-55:2019 (E)

1 Scope

This document defines three procedures to evaluate the compatibility of the constituent materials of a bituminous mixture with bitumen emulsion. These organoleptic methods can be used together to evaluate the compatibility of the constituent materials after a hand mixing procedure for given emulsion and water content:

- Method A describes a test method to determine visually the degree of coating;
- Method B describes a test method to determine the consistency;
- Method C describes a test method to determine the hydric aspect.

This document applies to mixtures prepared in the laboratory or taken from the 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 1008, *Mixing water for concrete — Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete*

EN 1097-5, *Tests for mechanical and physical properties of aggregates — Part 5: Determination of the water content by drying in a ventilated oven*

EN 1097-6, *Tests for mechanical and physical properties of aggregates — Part 6: Determination of particle density and water absorption*

EN 1428, *Bitumen and bituminous binders — Determination of water content in bituminous emulsions — Azeotropic distillation method*

EN 12594, *Bitumen and bituminous binders — Preparation of test samples*

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:

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

3.1

degree of coating

visual assessment of the percentage of mineral aggregate coated by emulsion

3.2

consistency

visual and tactile assessment of cohesion increase using comparisons of different mixtures resistance under manual pressure

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