



BSI Standards Publication

Sampling and examination of bituminous mixtures for roads and other paved areas

Part 1: Methods for the
measurement of the rate of spread
of coated chippings and the
temperature of bituminous mixtures
using non-contact
temperature-measuring devices and
for the assessment of the
compaction performance of a roller

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© BSI 2011

ISBN 978 0 580 71722 2

ICS 93.080.10; 93.080.20

The following BSI references relate to the work on this standard:

Committee reference B/510/1

Draft for comment 11/30228683 DC

Publication history

First published as BS 598-108 September 1990

Second edition as BS 598-108 January 2006

First published as BS 598-109 September 1990

First published as BS 598-1 July 2011

Amendments issued since publication

Date	Text affected
------	---------------

Contents

1	Scope	1
2	Normative references	1
3	Definitions	1
4	Measurement of the rate of spread of coated chippings	1
5	Assessment of the compaction performance of a roller	3
6	Measurement of the temperature of coated mixtures using non-contact temperature-measuring devices	5

	Bibliography	7
--	--------------	---

List of figures

	Figure 1 – Layout of metal trays in front of chipping spreader	3
	Figure 2 – Typical experimental layout to access the effectiveness of an alternative roller	4

Summary of pages

This document comprises a front cover, an inside front cover, pages i to ii, pages 1 to 8, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 598 is published by BSI and came into effect on 31 July 2011. It was prepared by Technical Committee B/510/1, *Asphalt products*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This part of BS 598 supersedes BS 598-108:2005 and BS 598-109:1990+A1:2000, which are withdrawn.

Relationship with other publications

BS 598 consists of two parts; the other published part of BS 598 is as follows:

- BS 598-112:2004, *Method for the use of road surface hardness probe* ¹⁾

This part of BS 598 introduces changes associated with the introduction of the European standards for test methods for hot mix asphalt.

A hot sand test for the adhesivity of binder on precoated chippings for hot rolled asphalt has been published as BS EN 12697-37. The method in BS EN 12697-37 is based on the method described in BS 598-108:2005 for determining the condition of the binder on coated chippings, which is now withdrawn.

A test method for temperature measurement has been published as BS EN 12697-13. The method in BS EN 12697-13 is based on the method described in BS 598-109:1990+A1:2000 for the measurement of the temperature of coated mixtures using a probe thermometer, which is now withdrawn.

Guidance on the use of BS EN 12697-13 and BS EN 12697-37 can be found in PD 6692:2006.

Due to the different factors to be considered when sampling and testing mastics for roads and other paved areas it has been decided to continue publishing the requirements for mastics as a separate British Standard, i.e. BS 5284.

Information about this document

This is a full revision of the standard, and introduces the following principal changes:

- two parts of the BS 598 series: parts 108 and 109, for which there are no corresponding European standards, have been combined;
- Figure 1 has been introduced for clarity;
- the results of a review of parts of BS 598, for which there are no corresponding European standards, have been incorporated.

Use of this document

It has been assumed in the preparation of this British Standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

¹⁾ B/510/2, *Surface treatments*, is the committee responsible for BS 598-112.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its methods are expressed as a set of instructions, a description, or in sentences in which the principal auxiliary verb is "shall".

Contractual and legal considerations

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

Compliance with a British Standard cannot confer immunity from legal obligations.