

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

Part 102: Analytical test methods

ICS 75.140; 93.080.20

Committees responsible for this British Standard

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- British Civil Engineering Test Equipment Manufacturer's Association
- County Surveyors' Society
- Highways Agency — Safety Standards and Research
- Institute of Asphalt Technology
- Institution of Civil Engineers
- Institution of Highways and Transportation
- Mastic Asphalt Council Ltd.
- Ministry of Defence — UK Defence Standardization
- ODPM — Highways Agency
- Quarry Products Association
- Refined Bitumen Association
- Road Surface Dressing Association
- Scottish Office — Roads Directorate
- Society of Chemical Industry
- TRL — Transport Research Laboratory
- United Kingdom Accreditation Service
- Co-opted members

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Foreword

This part of BS 598 has been prepared by Subcommittee B/510/1. It supersedes BS 598-102:1996 which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**. For example, text altered Amendment A1 is indicated by **A1** **A1**.

This new edition of BS 598-102 incorporates technical changes only. It does not reflect a full review or revision of the standard, which will be undertaken in due course.

This edition introduces a number of changes associated with the introduction of the European standards for aggregates and the associated test method standards. These changes include the use of new sieve sizes which are used both for the definition of the actual mixtures and their size designations. This edition of BS 598 has, therefore, been amended to align with BS EN 13043, which is being implemented in the UK on 01/01/2004. Detailed guidance and advice on the changes may be found in PD 6682-2 and PD 6682-9.

It has been assumed in the drafting of this part of BS 598 that the execution of its provisions is entrusted to appropriately qualified and experienced people.

This British Standard calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

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 does not of itself confer immunity from legal obligations.

WARNING. The methods described in this British Standard require the use of dichloromethane or trichloroethylene. These solvents are hazardous to health and are subject to occupational exposure limits as detailed in the latest edition of Guidance Note EH/40 published by the Health and Safety Executive.

Exposure levels are related to both handling procedures and ventilation precision and it is emphasized that adequate training should be given to staff employed in the usage of these substances.

A1 Problems concerning the use of Clause 7, Adjustments of soluble binder contents and material passing 0.063 mm test sieve found on analysis

Recommendations to deal with these problems in the short term

Some problems have been experienced in the adjustment of the soluble binder contents and materials passing the 0.063 mm test sieve found on analyses in base (roadbase), binder course and regulating course asphalts and macadams, using BS 598-102:2003, BS 594-1:2003 and BS 4987-1:2003.

When the aggregate grading tolerances in these editions of the product standards were changed to accommodate the sieve sizes in BS EN 13043, it was anticipated that all of the current asphalt and macadam mixtures would fit within them. However, it is now clear that whilst many mixtures do fit without difficulty, some do not.

It is intended that asphalts and macadams which previously conformed to the aggregate gradings specified in the 2002 editions of BS 594 and BS 4987 respectively and which were fit for purpose, should be no less fit for purpose when conforming to the revised editions of these British Standards. **A1**