

Specification for

Cold emulsion spraying machines for roads —

Part 2: Metric units

Co-operating organizations

The Road Engineering Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Asphalt and Coated Macadam Association*
 Association of Consulting Engineers
 British Quarrying and Slag Federation*
 British Tar Industry Association*
 Cement and Concrete Association
 Concrete Society (Design and Development Divisional Committee)
 Contractors' Plant Association
 County Surveyors' Society*
 Department of the Environment*
 Department of the Environment, Road Research Laboratory*
 Federation of Civil Engineering Contractors*
 Federation of Manufacturers of Construction Equipment and Cranes*
 Greater London Council*
 Institute of Petroleum
 Institute of Quarrying
 Institution of Civil Engineers*
 Institution of Highway Engineers*
 Institution of Municipal Engineers*
 Institution of Structural Engineers
 Ministry of Defence, Army Department*
 Sand and Gravel Association of Great Britain
 Society of Chemical Industry

The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this standard:

Chemical Industries Association
 Liquefied Petroleum Gas Industry Technical Association (UK)
 Mastic Asphalt Council and Employers' Federation
 Road Emulsion Association Ltd.
 Road Surface Dressing Association

This British Standard, having been approved by the Road Engineering Industry Standards Committee, was published under the authority of the Executive Board on 25 January 1972

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

This standard makes reference to the following British Standards:

BS 21, *Pipe threads. Part 1: Jointing threads*.

BS 434, *Bitumen road emulsion (anionic)*.

This British Standard has been prepared under the authority of the Road Engineering Industry Standards Committee using metric dimensions as part of the national policy to change to the metric system. As normal replacements for emulsion spraying machines occur, it is recommended that they be to this standard; BS 3136 “*Cold emulsion spraying machines for roads. Part 1: Imperial units*”, will remain in existence, however, until the changeover has been substantially completed and there is no further requirement for machines designed to the former inch system.

This standard applies to pressure-operated machines for spraying, whether by hand or mechanically, emulsions used in the surface treatment of roads, including surface dressing and grouting. These emulsions are covered by BS 434 “*Bitumen road emulsion (anionic)*” and BS 2542 “*Recommendations for the use of bitumen emulsions for roads*”.

An important feature is a test for the uniformity of transverse distribution of emulsion by mechanical sprayers, since even distribution at the specified rate is essential both for good results and for economy. This test may be usefully applied to types of sprayer other than those covered by the standard.

The standard is complementary to BS 1707 “*Hot binder distributors for road surface dressing*”. Hence, the prefix “Cold” has been included in the new title for this standard. Machines for spraying hot cationic emulsions should comply with BS 1707.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.