

Specification for

Bitumen-based coatings for cold application, suitable for use in contact with potable water

Confirmed
October 2008

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Pigments, Paints and Varnishes Standards Policy Committee (PVC/-) to Technical Committee PVC/27, upon which the following bodies were represented:

- Aluminium Federation
- Aluminium Finishing Association
- Aluminium Window Association
- British Railways Board
- British Telecommunications plc
- Consumer Policy Committee of BSI
- Department of the Environment (Building Research Establishment)
- European Resin Manufacturers' Association
- Institute of Corrosion
- Institute of Metal Finishing
- Institution of Structural Engineers
- Institution of Water and Environmental Management (IWEM)
- London Regional Transport
- Metcom
- Ministry of Defence
- National Federation of Painting and Decorating Contractors
- Oil and Colour Chemists' Association
- Paint Research Association
- Paintmakers' Association of Great Britain Ltd.
- Society of Chemical Industry
- Steel Window Association
- Union of Construction, Allied Trades and Technicians
- Zinc Development Association

This British Standard, having been prepared under the direction of the Pigments, Paints and Varnishes Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 31 October 1991

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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7288	September 1992	Indicated by a sideline in the margin

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Foreword

This British Standard was prepared under the direction of the Pigments, Paints and Varnishes Standards Policy Committee. It supersedes BS 3416:1988, which is withdrawn.

This edition introduces technical changes but it does not reflect a full review or revision of the standard, which will be undertaken in due course.

The main technical changes are:

- a) introduction of separate immersion periods for type 1 and type 2 materials;
- b) a change in the size of the panel used in Appendix B.

NOTE Differences in the text between this edition and BS 3416:1988 are indicated by a line in the margin.

This edition includes provisions to satisfy the requirements of EEC Directive 80/778/EEC “The quality of water intended for human consumption” which specifies admissible concentrations and guide levels for a wide range of parameters in respect of all drinking water and water used in food and drink manufacture. It applies to the water at the point where it is made available to the user. Compliance with the EEC Directive is required by UK law.

The statutory water supplier has a responsibility to ensure that the components of the water service connected to the water supply do not adversely affect the quality of the water supplied if that water is likely to be ingested or could be back syphoned into a part of the service from which it is likely to be ingested. The various water authorities will therefore require evidence that bitumen-based coatings in contact with potable water are satisfactory in this respect.

All types and classes of bitumen-based coatings in BS 3416 give films that are suitable for use in contact with potable water and that may be submitted for approval by the UK Water Fittings Byelaws Scheme administered by the Water Research Centre, 660 Ajax Avenue, Slough, Berkshire SL1 4BG.

This British Standard also takes account of recent developments in this type of paint enabling the use of mineral fillers and alternative solvents.

This British Standard specifies requirements for two types of bitumen coatings for cold application, each type having three classes relating to the solvent system used for the solution.

Attention is drawn to BS 6949, which specifies requirements for bitumen-based coatings not intended for use in contact with potable water.

Guidance on the use of these materials is given in Appendix A, and reference should also be made to BS 5493 and to BS 6150.

Product certification. Attention is drawn to the fact that bitumen-based coatings for use in contact with potable water must be certified by the Water Research Centre under the UK Water Fittings Byelaws Scheme in order to comply with EEC Directive 80/778/EEC. For full details, apply to the Water Research Centre, 660 Ajax Avenue, Slough, Berkshire SL1 4BG.

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.