

Specification for

Powder cement paints

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Pigments, Paints and Varnishes Standards Committee (PVC/-) to Technical Committee PVC/28 upon which the following bodies were represented:

- British Railways Board
- British Resin Manufacturers' Association
- British Wood Preserving Association
- Building Employers' Confederation
- Cement Makers' Federation
- Consumers' Association
- Department of the Environment (Building Research Establishment)
- Electricity Supply Industry in England and Wales
- Greater London Council
- London Regional Transport
- Ministry of Defence
- National Federation of Painting and Decorating Contractors
- Oil and Colour Chemists' Association
- Paint Research Association
- Paintmakers Association of Great Britain Ltd.
- Royal Institute of British Architects
- Society of Chemical Industry
- Timber Research and Development Association
- Titanium Pigment Manufacturers' Technical Committee
- Union of Construction, Allied Trades and Technicians
- White Lead Manufacturers' Association

This British Standard, having been prepared under the direction of the Pigments, Paints and Varnishes Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1986

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Foreword

This revision of BS 4764, prepared under the direction of the Pigments, Paints and Varnishes Standards Committee, supersedes BS 4764:1971 which is withdrawn.

This revision of BS 4764 has been prepared in order to accommodate the changes that have occurred since the 1971 edition was published. Some pigments that are no longer economic to use or readily available have been replaced by more modern and less fugitive (see BS 2015) alternatives. The test for chalking has been made less subjective to facilitate independent quality assessment. The composition requirements have been modified to permit the addition both of more suitable curing agents and of materials to provide textured finishes. The test for acid-soluble residue on sieve has not been included as it is no longer relevant for products designed to give textured finishes.

Considerable thought has been given to the provision of suitable tests to evaluate the durability of cement paints, and the tests described in Appendix B are considered the best that can be put forward to define the requirements for satisfactory products.

The Technical Committee is currently investigating alternative cementitious substrates that could be suitable replacements for the asbestos-cement test panels detailed in Appendix A. Until these alternatives have been evaluated, it will be necessary to continue the use of asbestos-cement test panels when assessing the powder cement paint specified in this standard. Meanwhile, attention is drawn to the hazards associated with the use of asbestos-containing materials (see clause 1 and Appendix A). It should also be noted that the procedures described in this standard are intended to be carried out only by suitably trained and/or supervised personnel. The substances and procedures described may be injurious to health if adequate precautions are not taken. This standard refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

Products complying with this standard have been found to give satisfactory service in the UK and similar temperate climates. Also, experience has shown that these materials are suitable for use in most other climates, although in hot dry climates extra care should be given to the prevention of premature drying out (see C.5). General recommendations for the use of cement paints are given in Appendix C.

It should be noted that compliance with this standard is dependent upon the use of photographic reference standards contained in *Pictorial standards of coating defects*, published by the Federation of Societies for Coatings Technology (see the footnote to clause 7).

Purchasers ordering to this standard are advised to specify in their purchasing contract that the supplier operate a quality system in compliance with BS 5750-3 to ensure, to their satisfaction, that products claiming to comply with BS 4764 consistently achieve the required level of quality. A guide to the use of BS 5750-3 is given in BS 5750-6.

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

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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.