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Specification for

Cadmium pigments for paints —

[Cadmium pigments — Specification
and methods of test]

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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/1 upon which the following bodies were represented:

- Aluminium Powder and Paste Association
- British Colour Makers' Association
- British Precast Concrete Federation Ltd.
- Cement Makers' Federation
- Chemical Industries Association
- Oil and Colour Chemists' Association
- Paintmakers' Association of Great Britain Ltd.
- Red Lead and Litharge Manufacturers' Association
- Titanium Pigment Manufacturers' Technical Committee

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 July 1987

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

This British Standard has been prepared under the direction of the Pigments, Paints and Varnishes Standards Committee. It is identical with ISO 4620:1986 “Cadmium pigments — Specifications and methods of test”, published by the International Organization for Standardization (ISO).

It has been assumed in the drafting of this standard that it will be used and applied by those who are appropriately qualified and experienced. The substances and procedures described may be injurious to health if adequate precautions are not taken. This standard refers only to its technical suitability and does not absolve the user from statutory obligations relating to health and safety.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

The symbol “l” has been used to denote litre (and in its submultiples). In British Standards it is current practice to use the symbol “L” and to use the spelling “sulphur”, etc., instead of “sulfur”, etc.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International Standards	Corresponding British Standards
	BS 3483 <i>Methods for testing pigments for paints</i>
ISO 787-1:1982	Part A1:1983 <i>Comparison of colour</i> (Identical)
ISO 787-2:1981	Part B6:1982 <i>Determination of matter volatile at 105 °C</i> (Identical)
ISO 787-5:1980	Part B7:1974 <i>Determination of oil absorption value</i> (Identical)
ISO 787-7:1981	Part B3:1974 <i>Determination of residue on sieve (water method, using a manual procedure)</i> (Identical)
ISO 787-8:1979	Part C2:1980 <i>Determination of matter soluble in water (cold extraction method)</i> (Identical)
ISO 787-9:1981	Part C4:1982 <i>Determination of pH value of an aqueous suspension</i> (Identical)
ISO 787-16:1986	Part A4:1974 <i>Comparison of relative tinting strength (or equivalent colouring value) and colour on reduction in linseed stand oil using the automatic muller</i> (Technically equivalent)
ISO 787-20:1975	Part B5:1974 <i>Comparison of ease of dispersion (oscillatory shaking method)</i> (Technically equivalent)
ISO 787-21:1979	Part C8:1980 <i>Comparison of heat stability</i> (Identical)
ISO 842:1984	BS 4726:1986 <i>Methods for sampling raw materials for paints and varnishes</i> (Identical)

International Standards	Corresponding British Standards
ISO 1042:1983	BS 1792:1982 <i>Specification for one-mark volumetric flasks</i> (Identical)
	BS 3900 <i>Methods of test for paints</i>
ISO 3856-1:1984	Part B6:1986 <i>Determination of "soluble" lead content</i> (Identical)
ISO 3856-2:1984	Part B7:1986 <i>Determination of "soluble" antimony content</i> (Identical)
ISO 3856-3:1984	Part B8:1986 <i>Determination of "soluble" barium content</i> (Identical)
ISO 3856-4:1984	Part B9:1986 <i>Determination of "soluble" cadmium content</i> (Identical)
ISO 3856-6:1984	Part B11:1986 <i>Determination of total chromium content of liquid matter</i> (Identical)
ISO 3856-7:1984	Part B12:1986 <i>Determination of "soluble" mercury content</i> (Identical)
ISO 4793:1980	BS 1752:1983 <i>Specification for laboratory sintered or fritted filters including porosity grading</i> (Identical)
	BS 3900 <i>Methods of test for paints</i>
ISO 6713:1984	Part B5:1986 <i>Preparation of acid extracts from liquid paints or coating powders</i> (Identical)

The Technical Committee has reviewed the provisions of the following International Standards, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this British Standard. Related British Standards are given in parentheses.

ISO 385-1:1984	(BS 846:1985. <i>Specification for burettes</i>)
ISO 648:1977	(BS 1583:1986. <i>Specification for one-mark pipettes</i>)
ISO 3696 ^a	(BS 3978:1966. <i>Specification for water for laboratory use</i>)
ISO 3856-8 ^a	(No British Standard)
ISO 3856-9 ^a	[BS 4404:1968. <i>Method for the determination of arsenic (silver diethyldithiocarbamate procedure)</i>]

^a In preparation.

Pending publication of ISO 3856-8 and ISO 3856-9 any suitable methods for the determination of soluble selenium and soluble arsenic should be used in combination with BS 3900-B5. It is intended to implement ISO 3856-8 and ISO 3856-9 as British Standards when they are published.

Additional information. In order to carry out some of the tests described in this standard it is necessary for a reference sample to be supplied or agreed by the parties concerned (see clause 5 and Table 2).

NOTE In clause 2, in the titles of ISO 3856-2 and ISO 3856-6, "spetrophotometric" and "spetrometric" should read "spectrophotometric" and "spectrometric" respectively. In the note at the beginning of clause 7, line 5, "interesed" should read "interested".

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 to iv, pages 1 to 10, 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.