

BS 3900-0:2010



BSI Standards Publication

Methods of test for paints –

Part 0: Index of test methods

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to ii, pages 1 to 20, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 3900 is published by BSI and came into effect on 31 May 2010. It was prepared by Technical Committee STI/10, *Test methods for paints*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This part of BS 3900 supersedes BS 3900-0:1989+A1:1992, which is withdrawn.

Relationship with other publications

Standards for testing paints and varnishes are published under many different identifiers (standards numbers). Many of these are derived from the identifier of the corresponding international standard (e.g. BS EN ISO 9514) while others remain in the BS 3900 series (e.g. BS 3900-A5). Most of these standards are listed in this document. For the latest publication information, users are advised to consult BSI.

Information about this document

This is a full revision of the standard and introduces the following principal changes:

- a) Test procedures and conditions are now described in other standards, so they have been removed.
- b) Tables listing the standards, with current and previous identifiers, have been inserted.

Presentational conventions

Details of the structure, layout and presentational conventions used in BS 3900-0 are given in Clause 3.

Contractual and legal considerations

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 cannot confer immunity from legal obligations.

1 Scope

This part of BS 3900 tabulates the standards available for testing paints and varnishes. It contains no test methods.

2 Content and usage of BS 3900-0

BS 3900-0 provides tables which detail standards relating to methods for testing paints and allied materials, including methods for evaluating performance.

NOTE Attention is drawn to the fact that new standards could be added to this series, usually implementing corresponding ISO methods. This standard does not list all methods of test for paints. Attention is also drawn to the methods given in BS 3483, BS 3962 and BS 6782.

3 Using the tables

Each table contains four columns with the following headings:

- a) *Current identifier*: this is the primary identifier of the current edition of the standard at the time this edition of BS 3900-0 was published.
- b) *Previous identifier*: this is usually the reference in the BS 3900 series that appears as a secondary identifier on the current edition (in bold) or that appears on the most recent edition bearing a BS 3900 designation (in roman type). In the latter case, if the BS 3900 designation is in parentheses, that standard is partially replaced by the current standard or the current standard has a wider scope.
- c) *Other references*: this includes the reference of the committee responsible for the standard (if other than STI/10), the ISO identifier for dual-numbered standards for which the BS 3900 designation is the primary identifier (in bold), and references of previous CEN or ISO standards if the number in the identifier has changed (in roman type).
- d) *Title*: this is the title of the identified standard.

Any text in square brackets actually appears as part of the title page of the standard, either following the BS title or with the identifier.

Table 1 Tests on liquid paints (excluding chemical tests)

Current identifier	Previous identifier	Other references	Title
BS 3900-A5:1991	—	—	Methods of test for paints – Part A5: Large-scale brushing tests for paints and varnishes
BS 3900-A8:1986	—	BS 6664-1:1986 ISO 1516:1981 [<i>Danger class: closed cup</i>] (PTI/13)	Methods of test for paints – Part A8: Test for flash/no flash (closed cup equilibrium method) Flashpoint of petroleum and related products – Part 1: Method of test for flash/no flash (closed cup equilibrium method) [ISO title: Paints, varnishes, petroleum and related products – Flash/no flash test – Closed cup equilibrium method]
BS 3900-A9:1986	—	BS 6664-2:1986 ISO 1523:1983 [<i>Flashpoint: closed cup</i>] PTI/13	Methods of test for paints – Part A9: Determination of flashpoint (closed cup equilibrium method) Flashpoint of petroleum and related products – Part 2: Method for determination of flashpoint (closed cup equilibrium method) [ISO title: Paints, varnishes, petroleum and related products – Determination of flashpoint – Closed cup equilibrium method]
BS 3900-A10:1998	—	ISO 3233:1998	Methods of test for paints – Part A10: Determination of percentage volume of non-volatile matter by measurement of the density of a dried coating
BS 3900-A11:1974 [<i>Combustibility</i>]	—	—	Methods of test for paints – Part A11: Small scale test for combustibility
BS 3900-A16:1986	—	ISO 7254:1984	Methods of test for paints – Part A16: Determination of natural spreading rate by brush application [ISO title: Paints and varnishes – Assessment of natural spreading rate – Brush application]
BS 3900-A17:1986	—	ISO 7877:1984	Methods of test for paints – Part A17: Coating of test panels at a specified spreading rate [ISO title: Paints and varnishes – Coating of test panels at a specified spreading rate – Brush application]
BS EN ISO 1513:1995+A1:1995 ^{A)}	BS 3900-A2:1993	—	Paints and varnishes – Examination and preparation of samples for testing
BS EN ISO 1524:2002	BS 3900-C6:2000 +A1:2003 (<i>renumbers the BS as BS EN ISO 1524:2002</i>)	—	Paints, varnishes and printing inks – Determination of fineness of grind
BS EN ISO 2431:1996	BS 3900-A6:1996	—	Paints and varnishes – Determination of flow time by use of flow cups

Table 1 Tests on liquid paints (excluding chemical tests) (continued)

Current identifier	Previous identifier	Other references	Title
BS EN ISO 2811-1:2001 ^{A)}	BS 3900-A19:1998 +A1:2001 (renumbers the BS as BS EN ISO 2811-1:2001)	—	Paints and varnishes – Determination of density – Part 1: Pyknometer method
BS EN ISO 2811-2:2001 ^{A)}	BS 3900-A20:1998 +A1:2001 (renumbers the BS as BS EN ISO 2811-2:2001)	—	Paints and varnishes – Determination of density – Part 2: Immersed body (plummet) method
BS EN ISO 2811-3:2001 ^{A)}	BS 3900-A21:1998 +A1:2001 (renumbers the BS as BS EN ISO 2811-3:2001)	—	Paints and varnishes – Determination of density – Part 3: Oscillation method
BS EN ISO 2811-4:2001 ^{A)}	BS 3900-A22:1998 +A1:2001 (renumbers the BS as BS EN ISO 2811-4:2001)	—	Paints and varnishes – Determination of density – Part 4: Pressure cup method
BS EN ISO 2884-1:2006	BS 3900-A7-1:2006 +A1:2007 (renumbers the BS as BS EN ISO 2884-1:2006)	—	Paints and varnishes – Determination of viscosity using rotary viscometers – Part 1: Cone-and-plate viscometer operated at a high rate of shear
BS EN ISO 2884-2:2006	BS 3900-A7-2:2003 +A1:2007 (renumbers the BS as BS EN ISO 2884-2:2006)	—	Paints and varnishes – Determination of viscosity using rotary viscometers – Part 2: Disc or ball viscometer operated at a specified speed
BS EN ISO 3251:2008	BS 3900-B18:2003	STI/3	Paints, varnishes and plastics – Determination of non-volatile-matter content
BS EN ISO 3680:2004	BS 3900-A13:1986	BS 2000-524:2004 PTI/13	Methods of test for petroleum and its products – BS 2000-524: Determination of flash/no flash – Rapid equilibrium closed cup method (Identical with IP 524-2005)
BS EN ISO 9038:2003	BS ISO 9038:2002 +A1:2004 (renumbers the BS ISO as BS EN ISO 9038:2003)	—	Test for sustained combustibility of liquids
BS EN ISO 9514:2005	BS 3900-A18:1993	—	Paints and varnishes – Determination of the pot life of multicomponent coating systems – Preparation and conditioning of samples and guidelines for testing
BS EN ISO 11890-1:2007	BS 3900-A23:2000 +A1:2001	—	Paints and varnishes – Determination of volatile organic compound (VOC) content – Part 1: Difference method (ISO 11890-1:2007)

Table 1 Tests on liquid paints (excluding chemical tests) (continued)

Current identifier	Previous identifier	Other references	Title
BS EN ISO 11890-2:2006	BS 3900-A24:2000 +A1:2001	—	Paints and varnishes – Determination of volatile organic compound (VOC) content – Part 2: Gas-chromatographic method
BS EN ISO 14680-1:2006	BS 3900-A26:2006 +A1:2007 (renumbers the BS as BS EN ISO 14680-1:2006)	—	Paints and varnishes – Determination of pigment content – Part 1: Centrifuge method
BS EN ISO 14680-2:2006	BS 3900-A27:2006 +A1:2007 (renumbers the BS as BS EN ISO 14680-2:2006)	—	Paints and varnishes – Determination of pigment content – Part 2: Ashing method
BS EN ISO 14680-3:2006	BS 3900-A28:2000 +A1:2007 (renumbers the BS as BS EN ISO 14680-3:2006)	—	Paints and varnishes – Determination of pigment content – Part 3: Filtration method
BS EN ISO 15528:2000	BS EN 21512:1994, BS 3900-A1:1992, ISO 1512:1991	—	Paints, varnishes and raw materials for paints and varnishes – Sampling
BS EN ISO 17895:2005	—	—	Paints and varnishes – Determination of the volatile organic compound content of low-VOC emulsion paints (in-can VOC)
BS EN ISO 23811:2009			Paints and varnishes – Determination of percentage volume of non-volatile matter by measuring the non-volatile matter content and the density of the coating material, and calculation of the theoretical spreading rate (ISO 23811:2009)
A) Under revision.			