

## Methods of test for paints

# Part A10: Determination of volume of dry coating (non-volatile matter) obtained from a given volume of liquid coating

[ISO title: Paints and varnishes — Determination of volume of dry coating (non-volatile matter) obtained from a given volume of liquid coating]

It is recommended that this Part be read in conjunction with the general information in the Introduction to BS 3900, issued separately.

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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 1985

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Amendments issued since publication

The Committees responsible for this British Standard are shown in BS 3900: Introduction.  
The following BSI references relate to the work on this standard:  
Committee reference PVC/10  
Draft (ref. 84/51002) announced in *BSI News* May 1984

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# National foreword

This revision of this Part of BS 3900 has been prepared under the direction of the Pigments, Paints and Varnishes Standards Committee. It is identical with ISO 3233:1984 *“Paints and varnishes — Determination of volume of dry coating (non-volatile matter) obtained from a given volume of liquid coating”*, published by the International Organization for Standardization (ISO).

This Part of BS 3900 supersedes BS 3900-A10:1976, which is withdrawn.

This revision of this Part of BS 3900 has been prepared principally in order to amend the test procedure described in 7.2.2. This procedure has been modified to ensure that high-boiling point solvents are removed before drying the coating in the oven. The opportunity has also been taken to align the text with related standards dealing with methods of test for paints.

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.

**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.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard” and wherever the identification “ISO 3233” appears, it should be read as “BS 3900-A10”.

**Cross-references**

| International Standard | Corresponding British Standard                                                                           |
|------------------------|----------------------------------------------------------------------------------------------------------|
|                        | BS 3900 <i>Methods of test for paints</i>                                                                |
| ISO 1512:1974          | Part A1:1970 <i>Sampling</i><br>(Technically equivalent)                                                 |
| ISO 1513:1980          | Part A2:1983 <i>Examination and preparation of samples for testing</i><br>(Identical)                    |
| ISO 1515:1973          | Part B2:1970 <i>Determination of volatile matter and non-volatile matter</i><br>(Technically equivalent) |
| ISO 2811:1974          | Part A12:1975 <i>Determination of density</i><br>(Technically equivalent)                                |

The Technical Committee has reviewed the provisions of ASTM D 1133-78, to which reference is made in the footnote to 5.6 for information, and has decided that they are acceptable for use in conjunction with this standard. ASTM D 1133 is published by the American Society for Testing and Materials, 1916 Race Street, Philadelphia PA 19103, USA.

**Textual errors.** When adopting the text of the International Standard, the textual errors listed below were discovered.

They have been marked in the text and have been reported to ISO in a proposal to amend the text of the International Standard.

- a) In 7.1.2, line 6, the reference to “the note in 7.2.4” should be ignored.
- b) In 7.1.4, in the definition of  $m_2$ , “mass” should read “apparent mass”.
- c) In 7.2.4, line 3, the reference to “the note below” should be ignored.
- d) in 7.2.5, in the definition of  $m_4$ , “mass” should read “apparent mass”.
- e) In 7.4, lines 3 and 4 should read “ISO 2811, at exactly the same temperature as that recorded in 7.1.3.”

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 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.