

Paints and varnishes — Determination of through-dry state and through-dry time — Method of test

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Pigment, Paints and Varnishes Standards Policy Committee (PVC/-) to Technical Committee PVC/10, upon which the following bodies were represented:

- British Gas plc
- Chemical Industries' Association
- Health and Safety Executive
- Institute of Metal Finishing
- Ministry of Defence
- Oil and Colour Chemists' Association
- Paint Research Association
- Paintmakers' Association of Great Britain Ltd.
- Titanium Pigment Manufacturers' Technical Committee

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

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Amendments issued since publication

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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 Policy Committee. It is identical with ISO 9117:1990 “*Paints and varnishes — Determination of through-dry state and through-dry time — Method of test*”, published by the International Organization for Standardization (ISO).

In 1992 the European Committee for Standardization (CEN) accepted ISO 9117:1990 as European Standard EN 29117:1992. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 29117 and any reference to BS 3900-C3 should be read as a reference to BS EN 29117.

This part of BS 3900 supersedes BS 3900-C3:1971 which is withdrawn.

The main differences from the 1971 edition of this Part of BS 3900 are as follows.

- a) The apparatus is of a different design but similar in principle.
- b) The plunger is covered in gauze instead of white cotton drill.
- c) The total mass of the plunger is 1 500 g ± 10 g instead of 1.8 kg.
- d) The plunger is turned through an angle of 90° over a period of 2 ± 0.5 s instead of 270° at a rotational speed of 6 rev/min.
- e) The determination is repeated on two additional coated panels.
- f) A through-dry state is achieved if no damage or marking is observed as opposed to the substrate (or previous coat in a multicoat system) being exposed.

Cross-references

International standard	Corresponding British Standard
ISO 48:1979	BS 903 Methods of testing vulcanized rubber Part A26:1969 Determination of hardness (Technically equivalent)
ISO 1512:1974	BS 3900 Methods of test for paints Part A1:1970 Sampling (Technically equivalent)
ISO 1513:1980	Part A2:1983 Examination and preparation of samples for testing (Identical)
ISO 1514:1984	Part A3:1986 Standard panels for paint testing (Identical)
ISO 2808:1974	Part C5:1975 Determination of film thickness (Technically equivalent)
ISO 3678:1976	Part C8:1978 Print-free test (Identical)
ISO 4622:1980	Part C7:1982 Pressure test for stackability (Identical)

Reference is made in 9.2 to ISO 3270:1984. This International Standard has been implemented as Appendix A of BS 3900-0:1989.

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.