

Non-conductive coatings on non-magnetic basis metals — Measurement of coating thickness — Eddy current method

The European Standard EN ISO 2360:1995 has the status of a
British Standard

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Surface Coatings (other than Paints) Standards Committee (SRC/-) to Technical Committee SRC/14 upon which the following bodies were represented:

- Aluminium Federation
- Association of Manufacturers of Domestic Electrical Appliances
- Association of Metal Sprayers
- British Anodising Association
- British Industrial Fasteners Federation
- British Jewellers' Association
- British Telecommunications
- City of London Polytechnic
- Department of Trade and Industry (National Physical Laboratory)
- Institute of Metal Finishing
- Institution of Corrosion Science and Technology
- Metal Finishing Association
- Ministry of Defence
- NDT Trade Association
- Society of Motor Manufacturers and Traders Limited
- Coopted member

This British Standard, having been prepared under the direction of the Surface Coatings (other than Paints) Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1984

© BSI 03-2000

First published November 1976
First revision January 1984

The following BSI references relate to the work on this standard:
Committee reference SRC/14
Draft for comment 80/55344 DC

ISBN 0 580 13657 4

Amendments issued since publication

Amd. No.	Date of issue	Comments
8481	June 1995	Indicated by a sideline in the margin

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN ISO 2360	3
Publication referred to	Inside back cover

National foreword

This revised Part of BS 5411 has been prepared under the direction of the Surface Coatings (other than Paints) Standards Committee. It is identical with the 1982 edition of ISO 2360 “*Non-conductive coatings on non-magnetic basis metals — Measurement of coating thickness — Eddy current method*” which was prepared, with the active participation and approval of the United Kingdom, by Subcommittee 2, Methods of inspection and co-ordination of test methods, of Technical Committee 107, Metallic and other non-organic coatings, of the International Organization for Standardization (ISO). This Part of BS 5411 supersedes BS 5411-3:1976 which is now withdrawn.

In 1995 the European Committee for Standardization (CEN) accepted ISO 2360:1982 as European Standard EN ISO 2360:1995. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN ISO 2360 and any reference to BS 5411-3 should be read as a reference to BS EN ISO 2360.

The first edition of this Part of this British Standard differed in a number of respects from the first edition of ISO 2360. In the second edition of ISO 2360, dated 1982, many of the technical differences have been removed and those that remain are considered acceptable by the committee concerned. Accordingly ISO 2360:1982 has been adopted for this edition of this Part of this British Standard.

This edition of BS EN ISO 2360 differs from the previous edition in its editorial layout and also in the following principal respects.

- a) Attention is now drawn to the possibility of systematic as well as random errors due to the roughness of the surface upon which measurements are being made.
- b) Reference is now made to the possible use of a jig to reduce errors arising from differences in probe pressure and in probe angle.
- c) Attention is called to the advantages of calibration foils made of suitable plastics material when testing curved surfaces.
- d) A recommendation regarding frequency of calibration of the test instrument is now included.
- e) It is no longer considered necessary for the calibration to be confirmed at five points covering the full scale of the instrument when the basis metal of the standard or of the test specimen is backed up with sufficient thickness of similar material to make the reading independent of the basis metal thickness.

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.

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

Cross-reference

International Standard	Corresponding British Standard
ISO 2178:1982	BS 5411 <i>Methods of test for metallic and related coatings</i> Part 11:1984 <i>Measurement of coating thickness of non-magnetic metallic and vitreous or porcelain enamel coatings on magnetic basis metals: magnetic method</i> (Identical)

NOTE *Textual error.* In 4.7, line 5, “ceanliness” should be read as “cleanliness”.

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, the EN ISO title page, pages 2 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.