

Metallic and non-metallic coatings — Measurement of thickness — Beta backscatter method

The European Standard EN ISO 3543:1994 has the status of a British Standard

Cooperating organizations

The Surface Coatings (other than Paints) Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

- Aluminium Federation*
- Assay Offices Committee of Great Britain
- Association of Metal Sprayers*
- British Jewellers' Association*
- British Jewellery and Giftware Federation Ltd.
- British Metal Finishing Suppliers' Association
- British Steel Industry
- Chemical Industries Association
- Electricity Supply Industry in England and Wales
- Engineering Equipment Users' Association
- Galvanizers' Association
- Greater London Council
- Institute of Metal Finishing*
- Institute of Sheet Metal Engineering
- Institute of Vitreous Enamellers
- Institution of Corrosion Science and Technology*
- Metal Finishing Association*
- Ministry of Defence*
- Motor Cycle Association of Great Britain
- Society of Motor Manufacturers and Traders Limited*
- Vitreous Enamel Development Council
- Zinc Development Association

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the Technical Committee entrusted with the preparation of this British Standard:

- Association of Manufacturers of Domestic Electrical Appliances
- British Anodising Association
- British Industrial Fasteners Federation
- City of London Polytechnic
- Department of Industry (National Physical Laboratory)
- NDT Trade Association
- Post Office
- Individual experts

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 December 1981

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

This Part of BS 5411 has been prepared under the direction of the Surface Coatings (other than Paints) Standards Committee. It is identical with ISO 3543:1981 “*Metallic and non-metallic coatings — Measurement of thickness — Beta backscatter method*”, prepared by Technical Committee 107, Metallic and other non-organic coatings, of the International Organization for Standardization (ISO) with the active participation and approval of the United Kingdom.

In 1994 the European Committee for Standardization (CEN) accepted ISO 3543:1981 as European Standard EN ISO 3543:1994. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN ISO 3543 and any reference to BS 5411-12 should be read as a reference to BS EN ISO 3543.

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 especially drawn to the following.

The comma has been used throughout 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”.

Cross-reference

International Standard	Corresponding British Standard
ISO 921:1972	BS 3455:1973 <i>Glossary of terms used in nuclear science and technology</i> (Technically equivalent)

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 and ii, the EN ISO title page, pages 2 to 12, 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.

ICS 25.220.40

Descriptors: Coatings, metal coatings, non metallic coatings, dimensional measurement, thickness, non destructive tests, beta backscatter method

English version

Metallic and non-metallic coatings — Measurement of thickness — Beta backscatter method

(ISO 3543:1981)

Revêtements métalliques et non métalliques —
Mesurage de l'épaisseur — Méthode par
rétrodiffusion des rayons bêta
(ISO 3543:1981)

Metallische und nichtmetallische —
Schichten — Dickenmessung —
Betarückstreu-Verfahren
(ISO 3543:1981)

This European Standard was approved by CEN on 1994-10-26. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard was taken over by the Technical Committee CEN/TC 262, Protection of metallic materials against corrosion, from the work of ISO/TC 107, Metallic and other inorganic coatings, of the International Organization for Standardization (ISO).

CEN/TC 262 had decided to submit the final draft for formal vote. The result was positive.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 1995, and conflicting national standards shall be withdrawn at the latest by April 1995.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.