

Electrodeposited metallic coatings and related finishes – Sampling procedures for inspection by attributes (ISO 4519:1980)

ICS 25.220.40

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSi
Documents

AVA

Document Sharing Hub

National foreword

This British Standard is the UK implementation of EN ISO 4519:2016. It is identical to ISO 4519:1980. It supersedes BS 6041:1981 (dual numbered as ISO 4519:1980) which is withdrawn.

This British Standard has been prepared in order to provide a practical guide to the sampling of electrodeposited metallic coatings and related finishes. In this respect, the sampling plans actually included relate to Acceptable Quality Levels of 1.5 % and 4.0 %, the most commonly used levels in this field. Other AQLs may, however, be used and, in these cases, reference should be made to the BS 6000 series and the BS 6001 series.

ISO 3269, which is referred to in clause 1 as a standard covering mechanical fasteners, which are outside the scope of ISO 4519 is not essential for the operation of BS 6041.

NOTE *Textual errors.* Attention is drawn to a printing error in the note at the beginning of clause 3, where the final word should be “items” and not “thems”.

The UK participation in its preparation was entrusted to Technical Committee STI/33, Electrodeposited and related coatings.

A list of organizations represented on this committee can be obtained on request to its secretary.

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.

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 Executive Board and comes into effect on 31 December 1980

© The British Standards Institution 2016.
Published by BSI Standards Limited 2016

Amendments/corrigenda issued since publication

Amd. No.	Date	Comments
3746	September 1981	Indicated by a sideline in the margin
	31 May 2016	This corrigendum renumbers BS 6041:1981 (dual numbered as ISO 4519:1980) as BS EN ISO 4519:2016

ISBN 978 0 580 90543 8

English Version

Electrodeposited metallic coatings and related finishes -
Sampling procedures for inspection by attributes
(ISO 4519:1980)

Dépôts électrolytiques et finitions apparentées -
Méthodes d'échantillonnage pour le contrôle par
attributs (ISO 4519:1980)

Elektrolytisch abgeschiedene metallische Überzüge
und verwandter Finishes - Stichprobenverfahren zur
Qualitätskontrolle (ISO 4519:1980)

This European Standard was approved by CEN on 2 April 2016.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of ISO 4519:1980 has been prepared by Technical Committee ISO/TC 107 “Metallic and other inorganic coatings” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 4519:2016 by Technical Committee CEN/TC 262 “Metallic and other inorganic coatings” the secretariat of which is held by BSI.

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 October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 4519:1980 has been approved by CEN as EN ISO 4519:2016 without any modification.

Contents

	Page
National foreword	Inside front cover
European foreword	ii
1 Scope and field of application	1
2 References	1
3 Definitions	1
4 Product submission	2
5 Acceptance and rejection	3
6 Selection of samples (sampling)	3
7 Sampling plans	3
8 Determination of acceptability	5
Annex Drawing of samples	7
Table 1 — Sampling of items for non-destructive tests produced by methods other than barrel electroplating	5
Table 2 — Sampling of barrel electroplating items for non-destructive tests	5
Table 3 — Sampling for destructive tests (adhesion, hydrogen embrittlement, corrosion resistance, etc.)	5
Table 4 — Sampling of items for non-destructive tests, produced by methods other than barrel electroplating, for tightened inspection of continuing lots	6
Table 5 — Sampling of barrel electroplated items for non-destructive tests, for tightened inspection of continuing lots	6
Table 6 — Limiting quality for testing isolated lots or batches	6
Table 7 — Random numbers	8
Publications referred to	Inside back cover

blank