



# SLOVENSKI STANDARD SIST EN 2591-508:2004

01-maj-2004

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## Aerospace series - Elements of electrical and optical connection - Test methods - Part 508: Measurement of thickness of coating on contacts

Aerospace series - Elements of electrical and optical connection - Test methods - Part 508: Measurement of thickness of coating on contacts

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 508: Messung der Schutzschichtdicke

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 508 : Mesure de l'épaisseur du revêtement des contacts

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Ta slovenski standard je istoveten z: EN 2591-508:2001

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### ICS:

49.060 Štejni in optični elementi za povezavo električnih in optičnih sistemov  
Aerospace electric equipment and systems

SIST EN 2591-508:2004

en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 2591-508**

December 2001

ICS 49.060

English version

**Aerospace series - Elements of electrical and optical connection  
- Test methods - Part 508: Measurement of thickness of coating  
on contacts**

Série aérospatiale - Organes de connexion électrique et  
optique - Méthodes d'essais - Partie 508: Mesure de  
l'épaisseur du revêtement des contacts

Luft- und Raumfahrt - Elektrische und optische  
Verbindungselemente - Prüfverfahren - Teil 508: Messung  
der Schutzschichtdicke

This European Standard was approved by CEN on 5 August 2001.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

## Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

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 June 2002, and conflicting national standards shall be withdrawn at the latest by June 2002.

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

## 1 Scope

This standard specifies methods of measuring thickness of electro-deposited gold or gold alloys coatings on contacts of elements of connection.

It shall be used together with EN 2591-100.

## 2 Normatives references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 4524-1	Metallic coatings – Test methods for electrodeposited gold and gold alloy coatings – Part 1: Determination of coating thickness
EN 2591-100	Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General <sup>1)</sup>
EN 3155-001	Aerospace series – Electrical contacts used in elements of connection – Part 001: Technical specification <sup>1)</sup>

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## 3 Details to be specified

Minimum thickness of coating [SIST EN 2591-508:2004](https://standards.iteh.ai/catalog/standards/sist/8b8c0c28-6254-43fb-98ab-c35c2af24bcf/sist-en-2591-508-2004)  
Protection: uniform or selective (zones X and Y, see EN 3155-001)

## 4 Methods

### Method A

See ISO 4524-1: Beta backscatter.

### Method B

See ISO 4524-1: X-ray spectrometry.

<sup>1)</sup> Published as AECMA Prestandard at the date of publication of the present standard