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**Aerospace series - Adhesion test for metallic coatings by burnishing**

Aerospace series - Adhesion test for metallic coatings by burnishing

Luft- und Raumfahrt - Prüfung der Haftfestigkeit von metallischen Beschichtungen durch  
Preßglänzen

Série aérospatiale - Essai d'adhérence des revêtements métalliques par brunissage

**STANDARD PREVIEW**  
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**Ta slovenski standard je istoveten z: EN 2828:1993**

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**ICS:**

49.040	Prevleke in z njimi povezani postopki, ki se uporabljajo v letalski in vesoljski industriji	Coatings and related processes used in aerospace industry
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**SIST EN 2828:2001****en**

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EUROPEAN STANDARD

EN 2828:1993

NORME EUROPÉENNE

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Descriptors: Aircraft industry, metal coatings, coating processes, adhesion tests

English version

**Aerospace series - Adhesion test for metallic  
coatings by burnishing**Série aérospatiale - Essai d'adhérence des  
revêtements métalliques par brunissageLuft- und Raumfahrt - Prüfung der  
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This European Standard was approved by CEN on 1993-02-19. 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.

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The European Standards exist 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.

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

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

Central Secretariat: 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 successively 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 August 1993, and conflicting national standards shall be withdrawn at the latest by August 1993.

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 and United Kingdom.

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STANDARD TO BE USED IN THE FIELD

## 1 Scope

This standard specifies the test method to determine the adhesion of coatings by burnishing <sup>1)</sup>. It applies to coatings of ductile metals such as cadmium, copper or silver with a hardness of less than 250 HV and thickness of less than or equal to 40  $\mu\text{m}$ .

It is applicable whenever referenced.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative reference 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 publication 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 2080 Electroplating and related processes - Vocabulary - Trilingual edition

## 3 Test equipment

Spatula in agate with a blade 30 mm to 40 mm long, 5 mm to 10 mm wide and 2 mm to 4 mm thick, polished until a smooth edge is obtained.

## 4 Procedure

Manual burnishing with sufficient pressure for 30 s of a portion not exceeding 6 cm<sup>2</sup> of the surface chosen for the test.

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The burnishing shall not damage the substrate.

## 5 Fault sanction

Neither peeling nor blistering are permissible after visual inspection with a max. magnification of 6 times or with the naked eye.

## 6 Test report

It shall include the following :

- reference to this standard;
- reference number of the part or test specimen;
- nature of the coating;
- thickness of the coating;
- test result.

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<sup>1)</sup> See ISO 2080.