



**SLOVENSKI STANDARD
SIST EN 2830:2001**

01-junij-2001

Aerospace series - Adhesion test for metallic coatings by shearing action

Aerospace series - Adhesion test for metallic coatings by shearing action

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

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

STANDARD PREVIEW
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Ta slovenski standard je istoveten z: EN 2830:1993

<https://standards.iteh.ai/catalog/standards/sist/758b3cd8-e837-4035-8fba-ba9716fb487/sist-en-2830-2001>

ICS:

49.040	Preveleke 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 2830:2001

en

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EUROPEAN STANDARD

EN 2830:1993

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 1993

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

English version

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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.

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.

CENEuropean 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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1 Scope

This standard specifies the test method to determine the adhesion of metallic coatings by shearing action. It applies to coatings with a hardness :

- < 250 HV and a thickness of > 75 μm ,
- \geq 250 HV to < 700 HV and a thickness of \geq 15 μm .

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 234-2 Files and rasps - Part 2 : Characteristics of cut

3 Test equipment

- Vice and hack saw,
- Flat saw-file (with one cut), bastard type, 150 mm, 200 mm or 250 mm long, in accordance with ISO 234-2 clean.

[SIST EN 2830:2001](https://standards.iteh.ai/catalog/standards/sist/758b3cd8-e837-4035-8fba-ba9716fb487/sist-en-2830-2001)

4 Procedure <https://standards.iteh.ai/catalog/standards/sist/758b3cd8-e837-4035-8fba-ba9716fb487/sist-en-2830-2001>

Cut the test specimen with the saw in order to obtain a test surface that is compatible with the file used.

File the section in a horizontal position from the substrat towards the coating. The file shall be applied on the surface only during the forward stroke.

5 Fault sanction

No flaking is permissible after visual inspection 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 surface of the test specimen cut with saw;
- type of file used;
- test result.