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Aerospace series - Paints and varnishes - Nature and method for surface preparation of test pieces in aluminium alloys

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

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## Aerospace series - Paints and varnishes - Nature and method for surface preparation of test pieces in aluminium alloys

Série aérospatiale - Peintures et vernis - Nature et méthodes de préparation de surface des éprouvettes en alliages d'aluminium

Luft- und Raumfahrt - Beschichtungsstoffe - Oberflächenvorbereitungstyp und -methoden für Proben aus Aluminiumlegierungen

This European Standard was approved by CEN on 12 May 2019.

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## **European foreword**

This document (EN 3837:2019) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries 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 ASD, 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of an identical text or by endorsement, at the latest by February 2020, and conflicting national standards shall be withdrawn at the latest by February 2020.

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.

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**EN 3837:2019 (E)****1 Scope**

This document defines the nature of and the surface preparation method for test pieces in aluminium alloys intended for testing paints and varnishes used for aerospace applications.

**2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2090, *Aerospace series — Aluminium alloy AL-P2024- — T3 — Clad sheet and strip —  $0,3\text{ mm} \leq a \leq 6\text{ mm}$*

EN 2092, *Aerospace series — Aluminium alloy AL-P7075- — T6 or T62 — Clad sheet and strip —  $0,4\text{ mm} \leq a \leq 6\text{ mm}$*

EN 2101, *Aerospace series — Chromic acid anodizing of aluminium and wrought aluminium alloys*

EN 2284, *Aerospace series — Sulphuric acid anodizing of aluminium and wrought aluminium alloys*

EN 2334, *Aerospace series — Chromic-sulphuric acid pickle of aluminium and aluminium alloys*

EN 2437, *Aerospace series — Chromate conversion coatings (yellow) for aluminium and aluminium alloys*

EN 2696, *Aerospace series — Aluminium alloy AL-P7075- — T6 or T62 — Sheet and strip —  $0,4\text{ mm} \leq a \leq 6\text{ mm}$*

EN 2709, *Aerospace series — Aluminium alloy 2024-T3510 — Bar and section —  $1,2 \leq (a\text{ or }D) \leq 150\text{ mm}$  — With peripheral coarse grain control <sup>1)</sup>*

EN 4704, *Aerospace series — Tartaric-Sulphuric-Acid anodizing of aluminium and aluminium wrought alloys for corrosion protection and paint pre-treatment (TSA)*

EN 4707, *Aerospace series — Acid pickling of aluminum and aluminum alloy without hexavalent chromium*

EN 4729, *Aerospace series — Trivalent chromium based chemical conversion coatings for aluminium and aluminium alloys*

ISO 3270, *Paints and varnishes and their raw materials — Temperatures and humidities for conditioning and testing*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

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1) Published as ASD-STAN Standard at the date of publication of this standard by AeroSpace and Defence industries Association of Europe - Standardization (ASD-STAN) (<http://www.asd-stan.org/>)