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Aerospace series - Trivalent chromium based chemical conversion coatings for aluminium and aluminium alloys

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

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EUROPEAN STANDARD

EN 4729

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English Version

Aerospace series - Trivalent chromium based chemical conversion coatings for aluminium and aluminium alloys

Série aérospatiale - Conversion chimique au chrome trivalent de l'aluminium et des alliages d'aluminium

Luft- und Raumfahrt - Chrom-(III)-basierte chemische Konversionsüberzüge für Aluminium und Aluminiumlegierungen

This European Standard was approved by CEN on 14 May 2017.

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

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European foreword

This document (EN 4729:2017) 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of an identical text or by endorsement, at the latest by March 2018, and conflicting national standards shall be withdrawn at the latest by March 2018.

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1 Scope

This European Standard specifies trivalent chromium based chemical conversion coatings for aluminium and aluminium alloys. It covers the application by bath but also by touch-up. It doesn't give complete in-house process instructions; these shall be given in the manufacturers detailed process instructions.

2 Purpose of process

The aim of the trivalent chromium based chemical conversion coatings is to increase corrosion resistance, to improve the adhesion of paints and varnishes and to ensure electrical conductivity. Coatings are also suitable for the repair of mechanically damaged anodic coatings.

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