

**Aerospace series - Paints and  
varnishes - Corrosion resistant  
chromated two component cold curing  
primer - Part 005: High corrosion  
resistance for military application**

Aerospace series - Paints and varnishes - Corrosion  
resistant chromated two component cold curing  
primer - Part 005: High corrosion resistance for  
military application

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 2435-005:2006 sisaldab Euroopa standardi EN 2435-005:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 31.07.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 2435-005:2006 consists of the English text of the European standard EN 2435-005:2006.</p> <p>This document is endorsed on 31.07.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This standard defines the requirements for a two component, chromated epoxy, high corrosion resistant primer. The coating shall be suitable for use on chromic acid anodised or conversion coated aluminium alloys and other suitably prepared substrates.</p>	<p><b>Scope:</b> This standard defines the requirements for a two component, chromated epoxy, high corrosion resistant primer. The coating shall be suitable for use on chromic acid anodised or conversion coated aluminium alloys and other suitably prepared substrates.</p>
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ICS 49.040

Võtmesõnad:

ICS 49.040

English Version

## Aerospace series - Paints and varnishes - Corrosion resistant chromated two component cold curing primer - Part 005: High corrosion resistance for military application

Série aérospatiale - Peintures et vernis - Peinture primaire anti-corrosion chromatée, à deux composants polymérisant à température ambiante - Partie 005 : Haute résistance à la corrosion pour applications militaires

Luft- und Raumfahrt - Anstrichstoffe - Korrosionsbeständiger Zweikomponenten-Grundanstrich, kalthärtend, chromathaltig - Teil 005: Hoher Korrosionsschutz, für militärische Anwendung

This European Standard was approved by CEN on 27 February 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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## Foreword

This European Standard (EN 2435-005:2006) has been prepared by the AeroSpace and Defense 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 December 2006, and conflicting national standards shall be withdrawn at the latest by December 2006.

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.

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

## 1 Scope

This standard defines the requirements for a two component, chromated epoxy, high corrosion resistant primer.

The coating shall be suitable for use on chromic acid anodised or conversion coated aluminium alloys and other suitably prepared substrates.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including amendments) applies.

EN 2436-006, *Aerospace series - Paints and varnishes - Corrosion resistant chromate-free two component cold curing epoxy primer - Part 006: High corrosion resistance for military application*

EN 3212, *Aerospace series — Paints and varnishes — Corrosion test by alternate immersion in a buffered sodium chloride solution*

EN 3837, *Aerospace series — Paints and varnishes — Nature and method for surface preparation of test pieces in aluminium alloys<sup>1)</sup>*

EN 3840, *Aerospace series — Paints and varnishes — Technical specification<sup>1)</sup>*

EN 3847, *Aerospace series — Paints and varnishes — Determination of sedimentation rating<sup>1)</sup>*

EN 4160, *Aerospace series — Non-metallic materials — Paints and varnishes — Test methods — Determination of the effects of thermal exposure<sup>1)</sup>*

ISO 1513, *Paints and varnishes — Examination and preparation of samples for testing*

ISO 1517, *Paints and varnishes — Surface-drying test — Ballotini method*

ISO 1518, *Paints and varnishes — Scratch test*

ISO 1519, *Paints and varnishes — Bend test (cylindrical mandrel)*

ISO 1520, *Paints and varnishes — Cupping test*

ISO 1524, *Paints, varnishes and printing inks — Determination of fineness of grind*

ISO 2409, *Paints and varnishes — Cross-cut test*

ISO 2431, *Paints and varnishes — Determination of flow time by use of flow cups*

ISO 2811-1, *Paints and varnishes — Determination of density — Part 1: Pycnometer method*

ISO 2811-2, *Paints and varnishes — Determination of density — Part 2: Immersed body (plummet) method*

ISO 2811-3, *Paints and varnishes — Determination of density — Part 3: Oscillation method*

ISO 2811-4, *Paints and varnishes — Determination of density — Part 4: Pressure cup method*

ISO 2812-1, *Paints and varnishes — Determination of resistance to liquids — Part 1: General methods*

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1) Published as ASD Prestandard at the date of publication of this standard.

ISO 2812-2, *Paints and varnishes — Determination of resistance to liquids — Part 2: Water immersion method*

ISO 3251, *Paints, varnishes and plastics — Determination of non-volatile-matter content*

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

ISO 3675, *Crude petroleum and liquid petroleum products — Laboratory determination of density — Hydrometer method*

ISO 3678, *Paints and varnishes — Print-free test*

ISO 3679, *Determination of flash point — Rapid equilibrium closed cup method*

ISO 3680, *Determination of flash/no flash — Rapid equilibrium closed cup method*

ISO 4623-2, *Paints and varnishes — Determination of resistance to filiform corrosion — Part 2: Aluminium substrates*

ISO 4628-2, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 2: Assessment of degree of blistering*

ISO 4628-8, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 8: Assessment of degree of delamination and corrosion around the scribe*

ISO 4628-10, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 10: Assessment of degree of filiform corrosion*

ISO 6270-1, *Paints and varnishes — Determination of resistance to humidity — Part 1: Continuous condensation*

ISO 7253, *Paints and varnishes — Determination of resistance to neutral salt spray (fog)*

ISO 7724-1, *Paints and varnishes — Colorimetry — Part 1: Principles*

ISO 7724-2, *Paints and varnishes — Colorimetry — Part 2: Colour measurement*

ISO 7724-3, *Paints and varnishes — Colorimetry — Part 3: Calculation of colour differences*

ISO 9117, *Paints and varnishes — Determination of through-dry state and through-dry time — Method of test*

ISO 9514, *Paints and varnishes — Determination of the pot-life of multicomponent coating systems — Preparation and conditioning of samples and guidelines for testing*

ISO 11890-1, *Paints and varnishes — Determination of volatile organic compound (VOC) content — Part 1: Difference method*

ISO 11890-2, *Paints and varnishes — Determination of volatile organic compound (VOC) content — Part 2: Gas-chromatographic method*

### **3 Definitions**

See EN 3840.