

**Aerospace series - Paints and
varnishes - Two component cold curing
polyurethane coating - Abrasion
resistant**

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component cold curing polyurethane coating -
Abrasion resistant

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 4406:2006 sisaldab Euroopa standardi EN 4406:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 24.11.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 4406:2006 consists of the English text of the European standard EN 4406:2006.</p> <p>This document is endorsed on 24.11.2006 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>Käsitlusala: This standard specifies the requirements for a two component polyurethane, abrasion resistant coating available in a range of colours and levels of gloss, to be applied over a primer for aerospace applications offering resistance to wear on sliding surfaces and resistance to impact from solid particles.</p>	<p>Scope: This standard specifies the requirements for a two component polyurethane, abrasion resistant coating available in a range of colours and levels of gloss, to be applied over a primer for aerospace applications offering resistance to wear on sliding surfaces and resistance to impact from solid particles.</p>
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ICS 49.040

Võtmesõnad:

ICS 49.040

English Version

Aerospace series - Paints and varnishes - Two component cold curing polyurethane coating - Abrasion resistant

Série aérospatiale - Peintures et vernis - Peinture de finition polyuréthane à deux composants polymérisant à température ambiante - Résistance à l'abrasion

Luft- und Raumfahrt - Anstrichstoffe - Zweikomponenten Polyurethan-Decklack Kalthärtend - Abriebfest

This European Standard was approved by CEN on 21 July 2006.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 4406:2006) 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 April 2007, and conflicting national standards shall be withdrawn at the latest by April 2007.

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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Introduction

This standard has been prepared in accordance with TR 7000-9.

1 Scope

This standard specifies the requirements for a two component polyurethane, abrasion resistant coating available in a range of colours and levels of gloss, to be applied over a primer for aerospace applications offering resistance to wear on sliding surfaces and resistance to impact from solid particles.

The properties specified in this standard are obtained on defined aluminium alloy test pieces prepared in accordance with EN 3837 Procedure A and ISO 3270 and painted with primer to EN 2435. The ability of the material to be used for a specific application (e.g. alternative substrate, alternative primer, specific drying conditions etc.) shall be determined by supplementary tests to confirm that the requirements of this standard are met.

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 any amendments) applies.

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

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

ISO 3696, *Water for analytical laboratory use — Specification and test methods.*

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

EN 2379, *Aerospace series — Fluids for assessment of non-metallic materials.*¹⁾

EN 2434 (all parts), *Aerospace series — Paints and varnishes — Two component cold curing polyurethane finish.*¹⁾

EN 2435 (all parts), *Aerospace series — Paints and varnishes — Corrosion resistant chromated two component cold curing primer.*¹⁾

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

EN 3840, *Aerospace series — Paints and varnishes — Technical specification.*¹⁾

TR 7000-9, *Aerospace series — Non-metallic materials — Rules for the drafting and presentation of material standards — Part 9: Paints and varnishes.*²⁾

STANAG 4477, *Specification for paints and paint systems, resistant to chemical agents and decontaminants, for the protection of aerospace military equipment.*

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

2) Published as ASD Technical Report at the date of publication of this standard.