

Paints and varnishes — Corrosion resistant chromated two component cold curing epoxy primer —

**Part 005: High corrosion resistance for
military application**

The European Standard EN 2435-005:2006 has the status of a
British Standard

ICS 49.040

National foreword

This British Standard is the official English language version of EN 2435-005:2006.

The UK participation in its preparation was entrusted by Technical Committee ACE/65, Non-metallic materials for aerospace purposes (excluding textiles), to Subcommittee ACE/65/-/3, Paints, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 14, an inside back cover and a back cover.

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English Version

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

Série aéronautique - Peintures et vernis - Peinture primaire
anti-corrosion chromatisée, 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.

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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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Foreword

This European Standard (EN 2435-005:2006) has been prepared by the AerosSpace 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.

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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 alloys¹⁾*

EN 3840, *Aerospace series — Paints and varnishes — Technical specification¹⁾*

EN 3847, *Aerospace series — Paints and varnishes — Determination of sedimentation rating¹⁾*

EN 4160, *Aerospace series — Non-metallic materials — Paints and varnishes — Test methods — Determination of the effects of thermal exposure¹⁾*

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: Pyknometer 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*

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