

Aerospace series — Paints and varnishes — Technical specification

The European Standard EN 3840:2007 has the status of a
British Standard

ICS 49.040

National foreword

This British Standard is the UK implementation of EN 3840:2007.

The UK participation in its preparation was entrusted by Technical Committee ACE/65, Non-metallic materials for aerospace purposes (excluding textiles), to Panel ACE/65/-/3, Paints.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2007

© BSI 2007

ISBN 978 0 580 54529 0

Amendments issued since publication

Amd. No.	Date	Comments

English Version

Aerospace series - Paints and varnishes - Technical specification

Série aérospatiale - Peintures et vernis - Spécification technique

Luft- und Raumfahrt - Beschichtungsstoffe - Technische Lieferbedingungen

This European Standard was approved by CEN on 13 April 2007.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	7
4 Requirements	8
5 Quality assurance	9
6 Batch release testing	11
7 Packaging and labelling	12
Annex A (normative) Test method	13
Annex B (normative) Qualification requirements for colour and gloss	15
Annex C (informative) Certificate of conformity 2.1/Acceptance test certificate 3.1 B according to EN 10204 for paints and varnishes	16

Foreword

This document (EN 3840:2007) 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 January 2008, and conflicting national standards shall be withdrawn at the latest by January 2008.

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, Bulgaria, 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 technical requirements for the qualification, manufacture, inspection and the delivery of paints and varnishes for use in aerospace applications. It shall be applied in conjunction with the EN material specification.

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.

EN 3847, *Aerospace series — Paints and varnishes — Determination of sedimentation rating.* ¹⁾

EN 4158, *Aerospace series — Paints and varnishes — Test method for measurement of electrical surface resistance of conductive layers.*

EN 4159, *Aerospace series — Paints and varnishes — Determination of resistance to microbial growth.* ¹⁾

EN 4160, *Aerospace series — Non-metallic materials — Paints and varnishes — Test methods — Determination of the effect of thermal exposure.* ¹⁾

EN 4170, *Aerospace series — Paints and varnishes — Test method for measurement of resistance to cold crack temperature cycle.* ¹⁾

EN 4171, *Aerospace series — Paints and varnishes — Test method for determination of phosphoric acid index.* ¹⁾

EN 4195, *Aerospace series — Paints and varnishes — Test method for determination of chromate leaching.* ¹⁾

EN 4508, *Aerospace series — Paints and varnishes — Test method for anti slip coatings — Determination of the sliding friction behaviour.*

EN 4592, *Aerospace series — Paints and varnishes — Test method for determination of infrared reflectance.*

EN 9100, *Aerospace series — Quality management systems — Requirements (based on ISO 9001:2000) and Quality systems — Model for quality assurance in design, development, production, installation and servicing (based on ISO 9001:1994).*

EN 10204, *Metallic products — Types of inspection documents.*

EN 23270, *Paints and varnishes and their raw materials — Temperatures and humidities for conditioning and testing (ISO 3270:1984).*

EN 29117, *Paints and varnishes — Determination of through-dry state and through-dry time — Method of test (ISO 9117:1990).*

EN ISO 1513, *Paints and varnishes — Examination and preparation of samples for testing (ISO 1513:1992).*

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