



**NSAI**  
Standards

Irish Standard  
I.S. EN 3847:2019

# Aerospace series - Paints and varnishes - Determination of sedimentation rating

**I.S. EN 3847:2019**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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## National Foreword

I.S. EN 3847:2019 is the adopted Irish version of the European Document EN 3847:2019, Aerospace series - Paints and varnishes - Determination of sedimentation rating

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EUROPEAN STANDARD

**EN 3847**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2019

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ICS 49.040

English Version

## Aerospace series - Paints and varnishes - Determination of sedimentation rating

Série aérospatiale - Peinture et vernis - Détermination de l'indice de sédimentation

Luft- und Raumfahrt - Lacke und Anstrichstoffe - Bestimmung der Verlandungszahl

This European Standard was approved by CEN on 14 July 2019.

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

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## **European foreword**

This document (EN 3847:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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## EN 3847:2019 (E)

### 1 Scope

This document specifies the method of test for evaluating the tendency of paints and varnishes towards sedimentation of their pigments.

The procedure describes a method where the pigmented paint is allowed to settle at a specified temperature and for a specified time.

The procedure is not applicable to products which possess a pot life inferior to the specified measuring time.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 2431, *Paints and varnishes — Determination of flow time by use of flow cups*

### 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

### 4 Principle

Leave the paints to settle (at their consistency for use in the case of a mixture) at a specified temperature and for a specified time.

### 5 Apparatus

- apparatus specified in ISO 2431;
- 100 ml measuring cylinder. The distance between the reference lines 0 ml and 100 ml shall be approximately 18 cm;
- stopper;
- enclosure regulated at  $(23 \pm 2)$  °C.

### 6 Preparation of the test material

#### 6.1 Sampling

The paint containers, base, activator and thinners, shall be thoroughly homogenised prior to any samples being extracted for testing.



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