



SLOVENSKI STANDARD
SIST EN 4474:2025

01-februar-2025

Aeronavtika - Organski premazi, pigmentirani z aluminijem - Premazne metode

Aerospace series - Aluminium pigmented organic coatings - Coating methods

Luft- und Raumfahrt - Aluminiumpigmentierte organische Beschichtungen - Beschichtungsverfahren

Série aérospatiale - Revêtements alumino-organiques - Méthodes d'application

Ta slovenski standard je istoveten z: EN 4474:2024

ICS:

49.025.20	Aluminij	Aluminium
49.040	Prevleke in z njimi povezani postopki, ki se uporabljajo v letalski in vesoljski industriji	Coatings and related processes used in aerospace industry

SIST EN 4474:2025

en,fr,de

EUROPEAN STANDARD

EN 4474

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2024

ICS 49.040

Supersedes EN 4474:2016

English Version

Aerospace series - Aluminium pigmented organic coatings - Coating methods

Série aérospatiale - Revêtements aluminos-organiques -
Méthodes d'application

Luft- und Raumfahrt - Aluminiumpigmentierte
organische Beschichtungen - Beschichtungsverfahren

This European Standard was approved by CEN on 6 October 2024.

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[SIST EN 4474:2025](https://standards.iteh.ai/catalog/standards/sist/109b4305-48da-4168-bcbf-edad09e59409/sist-en-4474-2025)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 4474:2024) has been prepared by ASD STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, 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of an identical text or by endorsement, at the latest by May 2025, and conflicting national standards shall be withdrawn at the latest by May 2025.

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.

This document supersedes EN 4474:2016.

EN 4474:2024 includes the following significant technical changes with respect to EN 4474:2016:

- editorial revision to comply with the updated layout in use;
- clarification of test requirements and AQL levels.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 4474:2024 (E)

1 Scope

This document specifies the application method and quality assurance for aluminium pigmented coatings as per EN 4473 which may be applied to fasteners or other parts in titanium, titanium alloys, nickel or cobalt based alloys and corrosion resisting steels.

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.

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

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

NASM 1312-12,¹ *Fastener Test Methods, Method 12: Thickness of Metallic Coatings*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <https://www.electropedia.org/>

3.1

production lot

parts subjected to the same aluminium pigmented coating application at the same time under the same condition

3.2

pre-production part

part representing a future production part

3.3

scratch

gouged out or scoring of the coating or base material

3.4

sampling plan

plan according to which one or more samples are taken in order to obtain information and to reach a decision, if possible

¹ Published by: AIA National (US) Aerospace Industries Association of America, <https://www.aia-aerospace.org/>.