



NSAI
Standards

Irish Standard
I.S. EN 4707:2020

Aerospace series - Acid pickling of
aluminium and aluminium alloys without
hexavalent chromium

I.S. EN 4707:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN 4707:2020 is the adopted Irish version of the European Document EN 4707:2020, Aerospace series - Acid pickling of aluminium and aluminium alloys without hexavalent chromium

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EUROPEAN STANDARD

EN 4707

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2020

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Supersedes EN 4707:2014

English Version

Aerospace series - Acid pickling of aluminium and aluminium alloys without hexavalent chromium

Série aérospatiale - Décapage acide de l'aluminium et des alliages d'aluminium sans chrome hexavalent

Luft- und Raumfahrt - Saures Beizen von Aluminium und Aluminiumlegierungen ohne hexavalentem Chrom

This European Standard was approved by CEN on 22 April 2019.

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

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions	4
4 Purpose of process	4
5 Information for the processor.....	4
6 Condition of parts prior to processing	4
7 Process requirements	5
8 Required characteristics and inspection.....	7
9 Quality assurance.....	8
Annex A (normative) Pickling bath	10
Annex B (informative) Example of composition and pickling parameters for pickling bath type C	11
Annex C (informative) Standard evolution form	12
Bibliography.....	13

European foreword

This document (EN 4707:2020) 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 July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

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EN 4707:2020 (E)**1 Scope**

This document specifies the acid pickling of aluminium and aluminium alloys free from hexavalent chromium.

2 Normative references

There are no normative references in this document.

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 Purpose of process

- 4.1** Pre-treatment before penetrant testing/penetrant inspection.
- 4.2** Pre-treatment before anodizing.
- 4.3** Final treatment for parts prior to adhesive bonding application.
- 4.4** Final treatment before welding or brazing.
- 4.5** Pre-treatment before chemical milling.
- 4.6** Final treatment for parts prior to painting application.
- 4.7** Pre-treatment for parts prior to surface conversion coatings.
- 4.8** Desmutting, after alkaline etching or acid pickling.

5 Information for the processor

- designation, see 9.5;
- number of the material standard and metallurgical condition of the latter;
- sequence of operations;
- areas to be processed;
- treatment.

6 Condition of parts prior to processing

Fabrication of the parts shall have been completed before pickling.

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