



**International
Standard**

ISO 8078

**Aerospace process — Anodic
treatment of aluminium alloys —
Sulfuric acid process, undyed coating**

*Procédés de traitement dans l'industrie aéronautique —
Traitement anodique des alliages d'aluminium — Traitement à
l'acide sulfurique pour revêtement non teinté*

**Second edition
2025-05**

Document Preview

ISO 8078:2025

<https://standards.iteh.ai/catalog/standards/iso/120df75e-9587-4c1b-b9a9-c6fa6331b128/iso-8078-2025>

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 8078:2025

<https://standards.iteh.ai/catalog/standards/iso/120df75e-9587-4c1b-b9a9-c6fa6331b128/iso-8078-2025>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Technical requirements	2
4.1 Materials to be anodized	2
4.2 Process requirements	2
4.3 Process details	2
4.3.1 General rules	2
4.3.2 Water quality	2
4.3.3 Racking of parts	2
4.3.4 Cleaning requirement	3
4.3.5 Deoxidizing	3
4.3.6 Anodizing procedure	3
4.3.7 Sealing	3
4.3.8 Drying	3
4.3.9 Rework	4
4.3.10 Temperature control	4
5 Quality assurance provisions	4
5.1 Responsibility for inspection	4
5.2 Lot acceptance tests	4
5.3 Process control tests	4
5.4 Process qualification tests	4
5.5 Solution control	5
5.5.1 Surface preparation and anodizing baths	5
5.5.2 Sealing bath	5
5.6 Inspection and testing of coatings	5
5.6.1 Visual examination	5
5.6.2 Coating mass per unit area	5
5.6.3 Thickness of coating	5
5.6.4 Corrosion resistance	6
5.6.5 Effectiveness of sealing	6
5.7 Approval	6
6 Packaging and delivery	6
6.1 Packaging	6
6.2 Delivery	6
Bibliography	8