
**Anodizing of aluminium and its
alloys — Determination of the
comparative fastness to ultraviolet
light and heat of coloured anodic
oxidation coatings**

*Anodisation de l'aluminium et de ses alliages — Détermination de
la solidité comparée à la lumière ultraviolette et à la chaleur des
couches anodiques colorées*

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Contents

Page

| | |
|---|-----------|
| Foreword | iv |
| Introduction | v |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 1 |
| 4 Principle | 1 |
| 5 Apparatus | 1 |
| 5.1 General | 1 |
| 5.2 Cabinet | 1 |
| 5.3 Ultraviolet light source | 2 |
| 6 Test specimen | 2 |
| 6.1 Sampling | 2 |
| 6.2 Size | 2 |
| 6.3 Treatment before testing | 2 |
| 6.4 Specimen arrangement | 3 |
| 7 Procedure | 3 |
| 7.1 General | 3 |
| 7.2 Standard specimens for control purposes | 3 |
| 7.3 Effect of ozone production | 3 |
| 8 Expression of results | 3 |
| 9 Test report | 3 |

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 79, *Light metals and their alloys*, Subcommittee SC 2, *Organic and anodic oxidation coatings on aluminium*.

This third edition cancels and replaces the second edition (ISO 6581:2010), which has been technically revised to add information about the test specimen.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The test described in this document represents severe exposure to ultraviolet light and, because of its severity, provides a very rapid determination of the comparative light-fastness of coloured anodic oxidation coatings.

It has to be realized, however, that the light emitted by the mercury vapour source used in the test has a discontinuous spectrum and a high content of ultraviolet radiation. Therefore, care is taken when comparing the results of this test with the results of exposure to sunlight.

Considerable heat is generated by the light source and so the test is carried out in such a way that the temperature of the test specimens during the test does not exceed 100 °C.

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