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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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Foreword

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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.