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**Anodizing of aluminium and its  
alloys — Method to test the surface  
abrasion resistance using glass-coated  
abrasive paper**

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# Contents

	Page
Foreword.....	iv
Introduction.....	v
<b>1 Scope.....</b>	<b>1</b>
<b>2 Normative references.....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>1</b>
<b>4 Principle.....</b>	<b>2</b>
<b>5 Apparatus.....</b>	<b>2</b>
<b>6 Procedure.....</b>	<b>2</b>
6.1 Test specimen.....	2
6.2 Method 1.....	2
6.3 Method 2.....	3
<b>7 Test report.....</b>	<b>3</b>
<b>Annex A (normative) Method of validating glass-coated abrasive paper used for the surface abrasion test by applying tests with standard specimens of anodized aluminium.....</b>	<b>5</b>
<b>Bibliography.....</b>	<b>8</b>

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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](http://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*.

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](http://www.iso.org/members.html).

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## Introduction

Surface abrasion resistance is a valid method of assessing the weathering resistance of an anodic oxidation coating. The higher the anodizing electrolyte concentration and temperature and the longer the immersion time in the electrolyte, the lower will be the abrasion resistance of the coating. In general, the lower the abrasion resistance the more likely the coating is to develop chalking in service.

Whole articles can be used for this test and, for those passing the test, it is non-destructive.

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