

# ISO 18771:2019 (E)

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

---

### Contents

|         |   |
|---------|---|
|         | Foreword  |
|         | Introduction  |
| 1       | Scope   |
| 2       | Normative references  |
| 3       | Terms and definitions   |
| 4       | Principle   |
| 5       | Apparatus   |
| 6       | Procedure   |
| 6.1     | Test specimen   |
| 6.2     | Method 1  |
| 6.3     | Method 2  |
| 7       | Test report   |
| 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 |
| A.1     | General   |
| A.2     | Principle   |
| A.3     | Preparation of standard specimens   |
| A.3.1   | General   |
| A.3.2   | Standard specimen that is more wear resistant than acceptable glass-coated abrasive paper   |
| A.3.2.1 | Aluminium specimen  |
| A.3.2.2 | Pretreatment  |
| A.3.2.3 | Anodizing   |
| A.3.2.4 | Rinsing   |
| A.3.2.5 | Colouring   |
| A.3.2.6 | Sealing   |
| A.3.3   | Standard specimen that is less wear resistant than acceptable glass-coated abrasive paper   |
| A.3.4   | Storage of standard specimens   |
| A.4     | Validation of abrasive paper  |

Page count: 8