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(JAPA/JSA)

Anodizing of aluminium and its alloys—Visual determination of image clarity of anodic oxidation coatings—Visual method

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Contents

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Aluminium Products Association (JAPA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS H 8686-1**: 1999 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

JIS H 8686 consists of the following 2 parts under the general title "*Anodizing of aluminium and its alloys*":

Part 1: Visual determination of image clarity of anodic oxidation coatings—Visual method

Part 2: Instrumental determination of image clarity of anodic oxidation coatings—Instrumental method

Anodizing of aluminium and its alloys— Visual determination of image clarity of anodic oxidation coatings— Visual method

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 10215** published in 2010 with some modifications of the technical contents.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with explanations is given in Annex JA.

1 Scope

This Standard specifies a visual method for determining the image clarity of anodic oxidation coatings (hereafter referred to as "coatings") on aluminium and aluminium alloy products with flat surfaces (hereafter referred to as "products"), using a chart scale and a lightness scale, which are defined.

NOTE 1 Visual determination of image clarity has two methods: the visual method and the instrumental method. This Standard specifies the former test method.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 10215:2010 *Anodizing of aluminium and its alloys—Visual determination of image clarity of anodic oxidation coatings—Chart scale method* (MOD)

The symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS H 0201 *Glossary of terms used in the surface treatment of aluminium*

JIS Z 2305 *Non-destructive testing—Qualification and certification of NDT personnel*

JIS Z 8401 *Guide to the rounding of numbers*

JIS Z 8721 *Colour specification—Specification according to their three attributes*

JIS Z 8729 *Colour specification—CIELAB and CIELUV colour spaces*