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Electrolytic zinc-coated steel sheet and strip

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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 The Japan Iron and Steel Federation (JISF) 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 G 3313**:2007 is replaced with this Standard.

However, **JIS G 3313**:2007 may be applied in the JIS mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until 20th June, 2011.

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Electrolytic zinc-coated steel sheet and strip

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 5002** published in 2008 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 JG. Annex JA to Annex JF contain matters which are not given in the corresponding International Standard.

1 Scope

This Standard specifies electrolytic zinc-coated steel sheet and strip (hereafter referred to as "sheet and coil").

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

ISO 5002 : 2008 *Hot-rolled and cold-reduced electrolytic zinc-coated carbon steel sheet of commercial and drawing qualities* (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 B 7721 *Tension/compression testing machines — Verification and calibration of the force-measuring system*

JIS G 0404 *Steel and steel products — General technical delivery requirements*

JIS G 0415 *Steel and steel products — Inspection documents*

JIS G 0594 *Methods of accelerated cyclic corrosion resistance tests for anodic coatings with exposure to salt spray, dry and wet conditions*

JIS G 3101 *Rolled steels for general structure*

JIS G 3113 *Hot-rolled steel plate, sheet and strip for automobile structural uses*

JIS G 3131 *Hot-rolled mild steel plates, sheet and strip*

JIS G 3134 *Hot-rolled high strength steel plate, sheet and strip with improved formability for automobile structural uses*

JIS G 3135 *Cold-reduced high strength steel sheet and strip with improved formability for automobile structural uses*

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JIS G 3141 *Cold-reduced carbon steel sheet and strip*

JIS H 0401 *Test methods for hot dip galvanized coatings*

JIS H 8502 *Methods of corrosion resistance test for metallic coatings*

JIS K 0119 *General rules for X-ray fluorescence analysis*

JIS K 5600-7-9 *Testing methods for paints — Part 7: Determination of resistance to cyclic corrosion conditions — Section 9: Salt fog/dry/humidity*

JIS K 8001 *General rule for test methods of reagents*

JIS Z 2201 *Test pieces for tensile test for metallic materials*

JIS Z 2241 *Method of tensile test for metallic materials*

JIS Z 2244 *Vickers hardness test — Test method*

JIS Z 2245 *Rockwell hardness test — Test method*

JIS Z 2248 *Metallic materials — Bend test*

JIS Z 8401 *Guide to the rounding of numbers*

3 Grade, symbol, applicable nominal thickness [1)] and base metal

The sheets and coils shall be classified into 16 grades using hot-rolled strips (hereafter referred to as "hot-rolled base metal") and into 18 grades using cold-reduced strips (hereafter referred to as "cold-reduced base metal"), and their grade symbols and applicable nominal thicknesses shall be as given in table 1 and table 2.

Hot-rolled base metals used for sheet and coil shall be the steel strips specified in **JIS G 3101**, **JIS G 3113**, **JIS G 3131** and **JIS G 3134**, and cold-reduced base metals shall be the steel strips specified in **JIS G 3135** and **JIS G 3141**, and their application shall be in accordance with tables 1 and 2. However, strip in accordance with **JIS G 3141** shall be dull finished. For steels of grades SECC, SECD, SECE, SECF and SECG in table 2, applicable temper grades shall be shown, with respective symbols, in table 3.

Note [1)] The nominal thickness is the thickness of base metal before coating [see **8.1 a)**].

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