



THE JAPAN IRON AND STEEL FEDERATION STANDARD

**Electrolytic zinc-coated steel sheet
and strip for automobile use**

JFS A 3021:2020



Translated and Published
by

THE JAPAN IRON AND STEEL FEDERATION

Preface

The Japan Iron and Steel Federation is engaged in preparation of draft Japanese Industrial Standards (JIS) for iron and steel materials and products, internal deliberation of International Standards, and establishment of the Japan Iron and steel Federation Standards (JFS).

The draft in the Japanese language of this standard was prepared by the Standards Committee for Steel Products of the Japan Iron and Steel Federation, with the cooperation of the material Committee of Japan Automobile manufacturers Association, then deliberated and approved by the Standards Committee which consists of manufacturers, users and authorities on steel sheets for automobile use. Following the procedure under the WTO/TBT agreement, after a disclosure period of 60 days, it has been published as a standard.

The Japanese version is the official version of this standard, and the English version is a translation from the Japanese version and is prepared for the convenience of those who use any other language than Japanese, so any ultimate reference should be made to the Japanese version. For the standards that are referred to this standard, such as JFS, JIS and ISO, users of this standard are encouraged to use the latest edition of the respective standards.

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Electrolytic zinc-coated steel sheet and strip for automobile use

Foreword

In the field of steel sheet and strip for automobiles use, the requirements for the material were becoming advanced and with wider divergence, which resulted in a large number of specifications in this field. For the convenience of the interested parties, the studies for summarizing these specifications to develop unified standards were carried out by the Japan Iron and Steel Federation. As a result of the study, the Japan Iron and Steel Federation Standards for Automobile Use, which contain this standard **JFS A 3021**, were established in 1996. After the establishment, the revisions of the Japan Iron and Steel Federation Standards were made in 1998, 2008, 2012, 2014 and 2016. In 2020, **JFS A 3021** has been revised again so as to harmonize the contents of the standard with the actual use conditions.

1 Scope

This standard applies to electrolytic zinc-coated steel sheet and strip, equally coated on both sides, differentially coated on each side, or coated on one side only, for automobile use (hereafter referred to as steel sheet and strip).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

JIS B 0601: 2013, Geometrical Product Specifications (GPS) — Surface texture: Profile method — Terms, definitions and surface texture parameters

JIS G 0202, Glossary of terms used in iron and steel (Testing)

JIS G 0203, Glossary of terms used in iron and steel (Products and quality)

JIS G 0320, Standard test method for heat analysis of steel products

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

JIS G 0415, Steel and steel products — Inspection documents

JIS G 3313, Electrolytic zinc-coated steel sheet and strip

JIS Z 2241, Metallic materials — Tensile testing — Method of test at room temperature

JIS Z 2254, Metallic materials — Sheet and strip — Determination of plastic strain ratio