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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 Japan Thermal Spraying Society (JTSS) /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Consequently **JIS H 8303:2004** and **JIS H 9304:2005** have been revised and withdrawn, respectively, and are replaced with this Standard.

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Thermal spraying of self-fluxing alloys

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 14920 published in 1999 with some modifications of the technical contents.

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

1 Scope

This Standard specifies the thermal spraying of self-fluxing alloys principally applied on products, parts, etc. in order to provide them with wear resistance, corrosion resistance, heat resistance and the like.

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

ISO 14920 : 1999 *Thermal spraying — Spraying and fusing of self-fluxing alloys* (MOD)

In addition, 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) listed below shall be applied.

JIS B 7725 *Vickers hardness test — Verification and calibration of testing machines*

JIS B 7734 *Knoop hardness test — Verification of testing machines*

JIS H 8200 *Thermal spraying terms*

JIS H 8250 *Graphical symbol for thermal spraying*

JIS H 8260 *Powders for thermal spraying*

JIS H 8401 *Methods of thickness measurement for sprayed coatings*

JIS Z 2244 *Vickers hardness test — Test method*

JIS Z 2251 *Knoop hardness test — Test method*