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arc thermal spraying**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal of establishing of Japanese Industrial Standard submitted by Japan Thermal Spraying Society (JTSS)/ Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Wires, rods and cords for flame and arc thermal spraying

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 14919** published in 2001 with some modifications of the technical contents involving the difference in values of the material elements in detail.

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

1 Scope

This Standard specifies the chemical compositions and properties of wires, rods and cords for flame and arc thermal spraying (hereafter referred to as “thermal spraying material”).

This Standard shall apply to the flame and arc thermal spraying.

NOTE : This Standard specifies the characteristics of thermal spraying material. However, it is not intended to perform conformity assessment with this Standard.

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

ISO 14919:2001 *Thermal spraying—Wires, rods and cords for flame and arc spraying—Classification—Technical supply conditions* (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**.

2 Normative reference

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

JIS H 8200 *Thermal spraying terms*

3 Terms and definitions

For the purposes of this Standard, the definitions given in **JIS H 8200** shall apply.

4 Types and chemical compositions

4.1 Classification according to manufacturing process and structure

The classification of thermal spraying material according to the manufacturing process and structure shall be in accordance with table 1.