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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 8306** :2002 is replaced with this Standard. Also, **JIS H 8667** :2002 and **JIS H 9303** :2004 are withdrawn and replaced with this Standard.

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Cermet thermal spraying

1 Scope

This Japanese Industrial Standard specifies the cermet thermal spraying performed for the purpose of giving wear resistance, corrosion resistance, heat resistance and the like to parts, products and so on.

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

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

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

JIS G 5903 *Cast shot and grit*

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 H 8402 *Test methods of tensile adhesive strength for thermal-sprayed coatings*

JIS H 8503 *Methods of wear resistance test for metallic coatings*

JIS R 6111 *Artificial abrasives*

JIS Z 2244 *Vickers hardness test—Test method*

JIS Z 2251 *Knoop hardness test—Test method*

JIS Z 2371 *Methods of salt spray testing*

JIS Z 8401 *Guide to the rounding of numbers*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS H 8200** apply.

4 Classification and symbols

The classification and symbols of cermet thermal spraying shall be as follows.

- a) The symbols of thermal spraying, kind of thermal spraying materials, thickness of coatings, etc. shall be in accordance with **JIS H 8250**.
- b) For the symbols to indicate the kind of sprayed coating, the symbols to indicate the kind of carbide cermet powder in table 11 of **JIS H 8260** shall be used as they are. Provided that for the materials undistinguished only by symbols, the code