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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 Spray 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Consequently, **JIS H 8304**:2007 is replaced with this Standard, and **JIS H 9302**:2007 has been withdrawn and replaced with this Standard.

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Ceramic sprayed coatings

1 Scope

This Japanese Industrial Standard specifies ceramic sprayed coatings applied to metallic substrates for the purpose of giving the wear resistance, corrosion resistance, heat resistance, heat insulation, electrical insulation and the like to parts, products, etc.

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 C 2110-2 *Solid electrical insulating materials—Test methods for electric strength—Part 2: Tests using direct voltage*

JIS G 3101 *Rolled steels for general structure*

JIS H 8200 *Thermal spraying terms*

JIS H 8250 *Graphical symbol for thermal spraying*

JIS H 8260 *Powders for thermal spraying*

JIS H 8261 *Wires, rods and cords for flame and arc thermal spraying*

JIS H 8302 *Build-up 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 8451 *Testing methods for thermal cycle and thermal shock resistance of thermal barrier coatings*

JIS Z 2244 *Vickers hardness test—Test method*

JIS Z 2371 *Methods of salt spray testing*

JIS Z 8401 *Guide to the rounding of numbers*

JIS Z 8402-6 *Accuracy (trueness and precision) of measurement methods and results—Part 6: Use in practice of accuracy values*

3 Terms and definitions

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

4 Classification and symbols

The classification and symbols of sprayed coatings shall be as follows.

- a) The symbols of thermal spraying method, thickness and post-treatment shall be according to **JIS H 8250**.
- b) The symbols for the classification of sprayed coatings shall be as follows.