

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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**JIS H 8304** : 2017

**Ceramic sprayed coatings**

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ICS 25.220.20

Reference number : **JIS H 8304 : 2017 (E)**

H 8304 : 2017

Date of Establishment: 1980-04-01

Date of Revision: 2017-11-20

Date of Public Notice in Official Gazette: 2017-11-20

Investigated by: Japanese Industrial Standards Committee  
Standards Board for ISO area  
Technical Committee on Metal and Inorganic  
Materials

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JIS H 8304:2017, First English edition published in 2018-02

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

NH/AT

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## **Foreword**

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS H 8304:2014** is replaced with this Standard.

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# Ceramic sprayed coatings

## 1 Scope

This Japanese Industrial Standard specifies ceramic sprayed coatings (hereafter referred to as sprayed coatings) applied to metallic substrates such as parts and products, for the purposes of giving the wear resistance, corrosion resistance, heat resistance, heat insulation, electrical insulation, 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 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 indicating the thermal spraying, thermal spraying method, symbols of thickness and post-treatment shall be in accordance with **JIS H 8250**.
- b) The symbols indicating the classification of sprayed coatings shall be as follows.