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Methods of thickness measurement for sprayed coatings

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently, **JIS H 8401 : 1990** is replaced with this Standard.

The purpose of this revision is to make conformity with the International Standard.

Attention shall be drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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Methods of thickness measurement for sprayed coatings

Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 2063** *Metallic and other inorganic coatings—Thermal spraying—Zinc, aluminium and their alloys*, without any modification in technical contents of the corresponding contents in the International standard, however, the provision (Test method by micrometer), which is not listed in the corresponding International Standard, has been supplemented as Japanese Industrial Standard.

The “passages” underlined with dots are the items which are not mentioned in the corresponding International Standard.

1 Scope This Japanese Industrial Standard specifies the method to measure the thickness of sprayed coating on significant surface⁽¹⁾ of sprayed products (hereafter referred to as “products”).

Note (1) This refers to the important surface for service.

Remarks : The International Standard corresponding to this Standard is as follows.

ISO 2063 : 1991 *Metallic and other inorganic coatings—Thermal spraying—Zinc, aluminium and their alloys*

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below shall be applied.

JIS B 7502 *Micrometer callipers*

JIS B 7503 *Dial gauges*

JIS B 7506 *Gauge blocks*

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7515 *Cylinder gauges*

JIS B 7520 *Indicating micrometers*

JIS B 7533 *Dial test indicators (lever type)*

JIS B 7536 *Electrical comparators*

JIS H 3130 *Copper beryllium alloy, phosphor bronze and nickel silver sheets, plates and strips for springs*

3 Kinds of test methods The kinds of test methods shall be as follows.

- a) Test method by micrometer
 - 1) Direct method
 - 2) Masking method
- b) Test method by microscopical examination of cross section