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Electroplated coatings of nickel and chromium

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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 8617:1991** is replaced with **JIS H 8617:1999**.

Attention is 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 public which have the said technical properties.

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Introduction This Japanese Industrial Standard has been prepared based on the corresponding parts of the International Standard shown in Remarks of clause 1 Scope, without any modification in technical content, however, the some specifications, which are not specified in the corresponding International Standard, have been supplemented in this Standard.

1 Scope This Japanese Industrial Standard specifies electroplated coatings (hereafter referred to as "coatings") ⁽¹⁾ ⁽²⁾ of nickel, copper plus nickel, nickel plus chromium, and copper plus nickel plus chromium that are applied on iron, steel, copper, copper alloy, zinc alloy, aluminium and aluminium alloy, to provide corrosive resistance and decorative appearance on significant surface.

Notes ⁽¹⁾ Duplex nickel plating, microcracked chromium coating, and microporous chromium coating are included.

⁽²⁾ Brass coating is included in copper coatings.

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

ISO 1456: 1988 Metallic coatings — Electrodeposited coatings of nickel plus chromium and copper plus nickel plus chromium

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 H 0400 *Glossary of terms used in electroplating*

JIS H 0404 *Graphical symbol for electroplated coating*

JIS H 8501 *Methods of thickness test for metallic coatings*

JIS H 8502 *Methods of corrosion resistance test for metallic coatings*

JIS H 8504 *Methods of adhesion test for metallic coatings*

JIS K 8150 *Sodium chloride*

JIS K 8801 *Potassium hexacyanoferrate (III)*

JIS K 8802 *Potassium hexacyanoferrate (II) trihydrate*

JIS K 8951 *Sulfuric acid*

JIS K 8983 *Copper (II) sulfate pentahydrate*

JIS P 3801 *filter paper (for chemical analysis)*

JIS Z 9031 *Random sampling methods*

3 Definitions For the purpose of this Standard, the definitions given in **JIS H 0400** and the following definition apply.

a) **significant surface** The surface of parts which was plated or to be plated and whose coating plays main performance and relates to main appearance.