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**JIS H 8630** : 2006

(SFJ/JSA)

**Electroplated coatings on plastics  
materials for decorative purposes**

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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 The Surface Finishing Society of Japan (SFJ)/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 8630** : 1987 is replaced with this Standard.

This revision has been made based on **ISO 4525** : 2003 *Metallic coatings—Electroplated coatings of nickel plus chromium on plastics materials* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

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 the public which have the said technical properties.

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In the event of any doubts arising as to the contents,  
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# Electroplated coatings on plastics materials for decorative purposes

**Introduction** This Japanese Industrial Standard has been prepared based on the second edition of **ISO 4525** *Metallic coatings—Electroplated coatings of nickel plus chromium on plastics materials* published in 2003 with some modifications of the technical contents of the original International Standard.

The portions given sidelines or dotted underlines are the matters in which the contents of the original International Standard have been modified. A list of modifications with the explanations is given in Annex 3 (informative).

**1 Scope** This Standard specifies the effective surfaces of electroplated coatings<sup>(2)</sup> (hereafter referred to as “coatings”) on plastics materials for decorative purposes<sup>(1)</sup>.

Notes <sup>(1)</sup> The decorative purposes refer to purposes for using the coatings which place importance on appearance, corrosion resistance, etc. mainly for automobiles, household appliances, daily goods, etc.

<sup>(2)</sup> Electroplated coatings refer to nickel coatings on plastics materials (including undercoats of copper or ductile nickel in order to improve the adhesion between plastics materials and nickel coatings) and coatings of chromium, gold and gold alloy, silver and silver alloy, tin-cobalt alloy, tin-nickel alloy, tin-copper-zinc alloy, tin-nickel-copper alloy on nickel coatings.

Information : Ductile nickel refers to a nickel coating which is excellent in ductile properties. It is obtained by carrying out electrodeposition from the Watts bath which does not contain an organic additive or a brightener, a sulfamate bath or an exclusive bath on the market.

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

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 4525:2003 *Metallic coatings—Electroplated coatings of nickel plus chromium on plastics materials* (MOD)

**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 H 0400 *Glossary of terms used in electroplating and related processes*

NOTE : **ISO 2080**:1981 *Electroplating and related processes—Vocabulary* is equivalent to the said standard.

JIS H 0404 *Graphical symbol for electroplated coating*