

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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**JIS H 8620** : 1998

**Electroplated coatings of gold and  
gold alloy for engineering purposes**

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ICS 25.220.40

**Descriptors** : gold, gold alloys, metal coatings, electroplating, industrial

**Reference number** : **JIS H 8620 : 1998 (E)**

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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 8620 : 1993** is replaced with **JIS H 8620 : 1998**.

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.

Date of Establishment: 1985-03-01

Date of Revision: 1998-11-20

Date of Public Notice in Official Gazette: 1998-11-20

Investigated by: Japanese Industrial Standards Committee  
Divisional Council on Non-Ferrous Metals

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JIS H 8620:1998, First English edition published in 2000-11

Translated and published by: Japanese Standards Association  
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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Printed in Japan

# Electroplated coatings of gold and gold alloy for engineering purposes

**Introduction** This Japanese Industrial Standard has been prepared based on the first edition of **ISO 4523** *Metallic coatings—Electrodeposited gold and gold alloy coatings for engineering purposes* issued in 1985, but items regarding the preparation of a test piece and marking which have not been specified in the corresponding International Standard are additionally specified in this Japanese Industrial Standard. Further, the real atmospheric condition at subclause **10.6 Corrosion resistance test** is changed to the atmospheric condition in Japan (high temperature and high humidity).

**1 Scope** This Japanese Industrial Standard specifies the electroplated coatings of gold and gold alloy of 0.2  $\mu\text{m}$  or over in thickness of the significant surface (hereafter referred to as “electroplated coatings”) conducted on metallic and nonmetallic basis materials for engineering purposes<sup>(1)</sup>.

Note <sup>(1)</sup> The engineering purposes herein mean the functional applications in electrical, electronic, mechanical and other fields, each of which requires a particular performance of the product.

Remarks 1 This Standard shall apply only to formed parts.

2 The International Standard corresponding to this Standard is as follows:

ISO 4523 : 1985 *Metallic coatings—Electrodeposited gold and gold alloy coatings for engineering purposes*

**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 C 0050 *Basic environmental testing procedures Part 2 : Tests, Test T : Soldering*

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 8503 *Methods of wear resistance test for metallic coatings*

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

JIS Z 2244 *Vickers hardness test—Test method*

JIS Z 2251 *Knoop hardness test—Test method*

JIS Z 3282 *Soft solders*

ISO 4524 : 1985 *Metallic coatings—Test methods for electrodeposited gold and gold alloy coatings*

*Part 1 : Determination of coating thickness*

*Part 2 : Environmental tests*