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Electroplated coatings of tin

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Descriptors : metal coatings, coatings, electroplating, electrodeposition, tin, non-ferrous metals, metal plating, corrosion protection

Reference number : JIS H 8619 : 1999 (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 8619:1993 is replaced with JIS H 8619:1999.

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 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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Introduction This Japanese Industrial Standard has been prepared based on the corresponding parts of the International Standard shown in Remarks to 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 of tin⁽¹⁾ (hereafter referred to as "coating") plated on significant surface of basis metal for the purpose to improve the solderability and corrosion resistance of electrical appliances.

Note ⁽¹⁾ This coating contains the bright or dull electroplated coating, and the flow-brightened coating resulted by flow-melting after electroplating.

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

ISO 2093 : 1986 *Electroplated coatings of tin—Specification and test methods*

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard.

The most recent editions of these standards indicated bellow shall be applied.

JIS C 0024 *Basic environmental testing procedures Part 2 : Tests—Test Kb : Salt mist, cyclic (Sodium chloride solution)*

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 8504 *Methods of adhesion test for metallic coatings*

JIS Z 3282 *Soft solders — Chemical compositions and forms*

JIS Z 9031 *Random sampling methods*

3 Definition For the purposes of this Standard, the definitions in JIS H 0400 apply, and the rest of the terms are as follows.

a) **significant surface** The surface of the parts which is plated or to be plated and for which the coating is essential for performance and appearance.