



JAPANESE
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STANDARD

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**Testing methods for paints—
Part 1 : General rule—
Section 8 : Reference sample**

ICS 87.040

Descriptors : paints, cross-cut test, testing, control samples, specifications

Reference number : JIS K 5600-1-8 : 1999 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

JIS K 5400 corresponding to this Standard will be withdrawn and replaced with this Standard in April 2002, at the time of three years passed after establishment of this Standard.

Consequently it is recommended to comply with this Standard.

JIS K 5600 consists of the following parts.

JIS K 5600 Part 1 Section 1 to Section 8	<i>General rule</i>
JIS K 5600 Part 2 Section 1 to Section 7	<i>Characteristics and stability of paints</i>
JIS K 5600 Part 3 Section 1 to Section 6	<i>Film formability</i>
JIS K 5600 Part 4 Section 1 to Section 7	<i>Visual characteristics of film</i>
JIS K 5600 Part 5 Section 1 to Section 11	<i>Mechanical property of film</i>
JIS K 5600 Part 6 Section 1 to Section 3	<i>Chemical property of film</i>
JIS K 5600 Part 7 Section 1 to Section 8	<i>Long-period performance of film</i>
JIS K 5600 Part 8 Section 1 to Section 6	<i>Evaluation of degradation of paint coatings</i>

JIS K 5600-1 consists of the following sections under the title of "Testing methods for paints—Part 1: General rule".

JIS K 5600 Part 1 Section 1	<i>General test methods (conditions and methods)</i>
JIS K 5600 Part 1 Section 2	<i>Sampling of products</i>
JIS K 5600 Part 1 Section 3	<i>Examination and preparation of samples for testing</i>
JIS K 5600 Part 1 Section 4	<i>Standard panels for testing</i>
JIS K 5600 Part 1 Section 5	<i>Coating of test panel (brush application)</i>
JIS K 5600 Part 1 Section 6	<i>Temperatures and humidities for conditioning and testing</i>
JIS K 5600 Part 1 Section 7	<i>Determination of film thickness</i>
JIS K 5600 Part 1 Section 8	<i>Reference sample</i>

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Testing methods for paints—

Part 1 : General rule—

Section 8 : Reference sample

Introduction This Japanese Industrial Standard has been additionally prepared, although it is not included in the current valid ISO standard of testing methods for paints, as forming part of international conformity, specifying the testing method for reference sample required for the establishment and revision of the standard for paint products.

1 Scope This Japanese Industrial Standard is one of a series of the standards dealing with the sampling and test for paints and their related products. When the quality of the paints and coatings are evaluated, the reference sample shall be used as the control sample for evaluation in order to evaluate as objectively as possible for the testing items to be evaluated by sensual judgement.

This Standard defines the specified conditions for the classification, validity period, control, renewal and product standard.

2 Classification The classification shall be as follows.

2.1 Classification of reference samples The reference samples shall be classified as follows, according to the form of reference sample, setting system and quality level.

When the reference sample is selected as the control sample for evaluation in the product standard, that shall be specified by combination of the requisites from these classifications.

2.2 Classification by form Reference samples shall be classified by form as follows:

- a) **Paint sample** The paint sample shall be the paints of which the evaluated results about the items except the items⁽¹⁾ to be evaluated as the reference sample in every product standard comply with the standard.

The composition table may used, which is capable of indicating the expected performance of test items specified in the product standard.

Note ⁽¹⁾ In the case of using for weather resistance, the samples of which the quality level has been confirmed beforehand by an accelerated weathering test and the like shall be used and the weather resistance shall be confirmed afterwards.

- b) **Coating film sample** The coating film sample shall be the colour sample⁽²⁾ used for the evaluation of colour of coating film and used for the evaluation the appearance of paint film such as gloss, pattern and others. That shall be prepared or approved by the public organization shall be the paint film formed by the paints according to the agreement between the parties concerned with delivery or the previous establishment and registration of manufacturer.

Note ⁽²⁾ For the colour sample, the colour materials which are difficult to discolour are used as much as possible. If the surface conditions are near to