



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS K 5600-1-1 : 1999

**Testing methods for paints—
Part 1 : General rule—
Section 1 : General test methods
(conditions and methods)**

ICS 87.040

Descriptors : paints, film-forming capacity, cross-cut test, testing, testing conditions, specifications

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

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JIS K 5400 corresponding to this Standard will be withdrawn and replaced with this Standard in April 2002, at the time of three years passed after establishment of this Standard.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

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**Testing methods for paints—
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Section 1 : General test methods
(conditions and methods)**

Introduction This Japanese Industrial Standard specifies the general test conditions and general test methods of test required, which are not given in the current ISO—Testing methods for paints, on the occasion of establishment and amendment of the standard for paint products.

1 Scope This Standard is one of a series of standards dealing with the sampling and testing of paints and related products. This Standard specifies the general conditions and general methods of test on the quality assessment of paints and coatings.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions (including amendments) of the standards indicated below shall be applied.

- JIS B 7410 *Liquid-in-glass thermometers for testing of petroleum product*
- JIS B 7502 *Micrometer callipers*
- JIS B 7525 *Density hydrometers*
- JIS B 7601 *Trip balances*
- JIS B 7751 *Light-exposure and light-and-water-exposure apparatus (enclosed carbon-arc type)*
- JIS B 7754 *Light-exposure and light-and-water-exposure apparatus (xenon-arc lamp type)*
- JIS B 9809 *Spray guns*
- JIS K 5600-1-4 *Testing methods for paints—Part 1 : General rule—Section 4 : Standard panels for testing*
- JIS K 5600-1-6 *Testing methods for paints—Part 1 : General rule—Section 6 : Temperatures and humidities for conditioning and testing*
- JIS K 5600-1-7 *Testing methods for paints—Part 1 : General rule—Section 7 : Determination of film thickness*
- JIS R 3503 *Glass apparatus for chemical analysis*
- JIS R 3505 *Volumetric glassware*
- JIS R 6251 *Abrasive cloths*
- JIS R 6252 *Abrasive papers*
- JIS R 6253 *Waterproof abrasive papers*
- JIS Z 1522 *Pressure sensitive adhesive cellophane tapes*
- JIS Z 2371 *Methods of neutral salt spray testing*