



JAPANESE
INDUSTRIAL
STANDARD

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JIS K 5600-1-5 : 1999

**Testing methods for paints—
Part 1 : General rule—
Section 5 : Coating of test panel
(brush application)**

ICS 87.040

Descriptors : paints, cross-cut test, testing, test equipment, panels, painting

Reference number : JIS K 5600-1-5 : 1999 (E)

K 5600-1-5 : 1999

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JIS K 5400 corresponding to this Standard will be withdrawn and replaced with this Standard in April 2002, at the time of three years passed after establishment of this Standard.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—
Part 1 : General rule—
Section 5 : Coating of test panel
(brush application)**

Introduction This Japanese Industrial Standard has been prepared based on ISO 7877 *Paints and varnishes—Coating of test panels at a specified spreading rate—Brush application* issued in 1984 as the first edition without changing the technical contents. However, test panels, instruments (kind of brushes), coating method and its conditions specified in JIS K 5400 : 1990 are specified in Annex A.

For any particular application the method described in this Japanese Industrial Standard needs to be completed by the following supplementary information. This information should be derived, in part or totally, from the Japanese Industrial Standard or other document related to the product to be applied or, if appropriate, should be agreed between the interested parties.

- a) Material, thickness and surface preparation of the substrate.
- b) The specified spreading rate of the wet film to be applied, either in terms of area per wet film mass or of area per wet film volume, including the limits if appropriate.
- c) Conditions of application, if other than those specified (see 6.1).

The portions underlined with dots or sidelined in this Standard are not stated in the original International Standard.

1 Scope

1.1 This Standard describes a procedure for preparing coated test panels by brush application of a product at a specified spreading rate based either on the mass or the volume of the product used.

1.2 The method is not suitable for products that contain highly volatile solvents.

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

ISO 7877 *Paints and varnishes—Coating of test panels at a specified spreading rate—Brush application*

2 Normative references The following standard contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of coming into effect is given to these referred standards, only the edition of indicated year constitutes the provision of this Standard but the revision and amendment made thereafter are not applied. The normative references without the indication of the year of coming into effect apply limiting only to the most recent edition (including the amendment).