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JIS K 5600-6-2 : 2016

(JPMA/JSA)

Testing methods for paints—Part 6: Chemical property of film—Section 2: Resistance to liquids (Water immersion method)

ICS 87.040

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Paint Manufacturers Association (JPMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS K 5600-6-2**:1999 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

JIS K 5600 series consists of the following 9 parts under the general title "*Testing methods for paints*":

Part 1: General rule

Part 2: Characteristics and stability of paints

Part 3: Film formability

Part 4: Visual characteristics of film

Part 5: Mechanical property of film

Part 6: Chemical property of film

Part 7: Long-period performance of film

Part 8: Evaluation of degradation of paint coatings

Part 9: Coating powders

JIS K 5600-6 consists of the following 3 parts under the title of "*Testing methods for paints—Part 6: Chemical property of film*":

Section 1: Resistance to liquids (General methods)

Section 2: Resistance to liquids (Water immersion method)

Section 3: The effect of heat

Testing methods for paints— Part 6: Chemical property of film— Section 2: Resistance to liquids (Water immersion method)

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 2812-2** published in 2007 with some modifications of the technical contents.

The portions given dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies a method for determining the resistance of an individual-layer or multi-layer system of coating materials to the effects of water by partial or full immersion.

This method enables the determination of the effects of water on the coating and, if necessary, the assessment of the damage to the substrate.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 2812-2:2007 *Paints and varnishes—Determination of resistance to liquids—Part 2: Water immersion method* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent edition (including amendments) shall be applied.

JIS K 0557 *Water used for industrial water and wastewater analysis*

JIS K 5600-1-2 *Testing methods for paints—Part 1: General rules—Section 2: Sampling*

NOTE : Corresponding International Standard: ISO 15528 *Paints, varnishes and raw materials for paints and varnishes—Sampling* (IDT)

JIS K 5600-1-3 *Testing methods for paints—Part 1: General rule—Section 3: Examination and preparation of samples for testing*