



JAPANESE
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STANDARD

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JIS P 8140 : 1998

Paper and board — Determination of
water absorptiveness — Cobb method

ICS 85.060

Descriptors : paper, board (paper), water-absorption tests

Reference number : JIS P 8140 : 1998 (E)



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P 8140:1998

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 Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS P 8140:1976** is replaced with **JIS P 8140:1998**.

This revision is made for conformity with **ISO 535:1991**, *Paper and board — Determination of water absorptiveness — Cobb method*.

Date of Establishment: 1964-02-01

Date of Revision: 1998-01-20

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Divisional Council on Consumer Life

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4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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

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Paper and board—Determination of water absorptiveness—Cobb method

Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 535**, *Paper and board—Determination of water absorptiveness—Cobb method*, without any modification in technical content, except below stated specified content.

[Summary of different points on specified content] ① Standards in **JIS** are supplemented in normative references. ② The definition on contact time is supplemented. ③ The figures of apparatus and implements (an example of tester) are supplemented. ④ The range of gram-mage of blotting paper for apparatus and implements is enlarged. ⑤ For sampling of test pieces, the method stated in **JIS** is supplemented. ⑥ When making pretreatment of test piece, the method stated in **JIS** is supplemented. ⑦ In procedures, standard conditions in **JIS** are supplemented. ⑧ The number of times of test trials is clearly specified in procedures.

In this Standard, the places underlined with dotted line are those which are not mentioned in corresponding International Standard.

1 Scope This Japanese Industrial Standard specifies the testing method for water absorptiveness of paper and board when one surface of non-absorptive paper and board is exposed to water for a specified period of time.

- Remarks 1 This absorptiveness shall not be used for the evaluation method when a little bit of liquid, as ink for writing, makes contact.
- 2 This absorptiveness does not have direct relation with the water repellency of board.
- 3 The International Standard corresponding to this Standard is as follows.
- ISO 535:1991, *Paper and board—Determination of water absorptiveness—Cobb method*
- 4 In this Standard, when the selection between **JIS** and **ISO** standard is obliged, either of **JIS** or **ISO** shall be chosen, through the whole Standard.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. As to those normative references, the most recent editions (containing Amendments) shall be applied.

JIS P 0001 *Glossary of terms used in pulps and papers industry*

JIS P 8110 *Paper and board—Sampling for testing*

JIS P 8111 *Conditioning of paper and paperboard for test*

JIS Z 8401 *Rules for rounding off of numerical values*

JIS Z 9041 *Presentation and reduction of data*

ISO 186 *Paper and board—Sampling for testing*

ISO 187 *Paper, board and pulps—Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples*