



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

④ JIS A 5914 : 2004
(FECMI/JSA)

Non straw TATAMIDOKO

ICS 91.060.30

Reference number : JIS A 5914 : 2004 (E)

PROTECTED BY COPYRIGHT



Documents

Document Sharing Hub

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 Federation of Construction Material Industries, Japan (FECMI)/ 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 A 5914 : 1997** is replaced with this Standard.

Date of Establishment: 1990-07-01

Date of Revision: 2004-08-20

Date of Public Notice in Official Gazette: 2004-08-20

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Consumer Life
Products

JIS A 5914:2004, First English edition published in 2005-02

Translated and published by: Japanese Standards Association
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.

© JSA 2005

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

Contents

	Page
1 Scope	1
2 Normative references	1
3 Definitions	1
4 Classification	2
5 Quality	2
5.1 Appearance	2
5.2 Tolerances on dimension and mass, intervals between warps and seam intervals	3
5.3 Performance	3
6 Structure	4
7 Materials and manufacture	5
7.1 Materials	5
7.2 Manufacture	6
8 Test	6
8.1 General condition of test	6
8.2 Specimen	6
8.3 Rounding off of numerical values	6
8.4 Appearance	6
8.5 Measurement of dimensions, intervals between yarns and mass	6
8.6 Moisture content rate	7
8.7 Deflection test	8
8.8 Local compression test	9
9 Inspection	10
10 Designation of products	10
11 Marking	12
Annex (normative) Stitching yarns used for manufacturing non straw TATAMIDOKO	13

Non straw TATAMIDOKO

1 Scope This Japanese Industrial Standard specifies the TATAMIDOKO manufactured using TATAMI board and/or polystyrene foam plate as materials (hereafter referred to as “TATAMIDOKO”).

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

JIS A 5905 *Fiberboards*

JIS A 9511 *Preformed cellular plastics thermal insulation materials*

JIS B 7503 *Dial gauges*

JIS G 3452 *Carbon steel pipes for ordinary piping*

JIS P 3401 *Kraft papers*

JIS Z 1533 *Polyolefine flat yarn for woven cloth*

JIS Z 8401 *Guide to the rounding of numbers*

JIS Z 8703 *Standard atmospheric conditions for testing*

JIS Z 9015-1 *Sampling procedures for inspection by attributes—Part 1 : Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection*

3 Definitions For the purposes of this Standard, the following definitions apply:

- a) **protective material** Protective material used on the surface of TATAMI board for preventing its fibre from fuzzing and scattering.
- b) **reinforcing material** Material in a state of plane used for reinforcing pressure resistance and the like of the surface of non straw TATAMIDOKO of type K and type N.
- c) **cushioning material** Material put as the top layer to get better cushioning property of non straw TATAMIDOKO type K and type N.
- d) **backing material** Material in a state of sheet which is attached on the back surface for strengthening the back surface of TATAMIDOKO.
- e) **KAMATI** The lateral end face of TATAMI where the lateral edge of TATAMI surface is folded down to the back of TATAMIDOKO to be attached.
- f) **KAMATI reinforcing material** Material used for reinforcing the end face of KAMATI.
- g) **warp** Yarn stitched in the same direction as the longitudinal direction of TATAMIDOKO.
- h) **handle** A semi-circle cord installed on the back surface of TATAMIDOKO to make TATAMI carried easily by hand.

4 Classification TATAMIDOKO shall, according to materials, structure and standard dimensions, be classified as shown below:

- a) **Division according to materials and structure** The division shall be as shown in table 1.

Table 1 Division according to materials and structure

Division		Symbol	Materials and structure	Figure
Non straw TATAMIDOKO	Type I	KT-I	Composed mainly of TATAMI board (TB).	figure 1
	Type II	KT-II	Composed of two layers mainly of TATAMI board (TB) and polystyrene foam plate (PS).	figure 2
	Type III	KT-III	Composed of three layers mainly of TATAMI board (TB) and polystyrene foam plate (PS).	figure 3
	Type K	KT-K	Composed mainly of polystyrene foam plate (PS) and having KAMATI reinforcing material on back surface.	figure 4
	Type N	KT-N	Composed mainly of polystyrene foam plate (PS) and having no KAMATI reinforcing material on back surface.	figure 5

- b) **Division according to standard dimensions** Division according to standard dimensions (hereafter referred to as “dimensions”) shall be as shown in table 2.

Table 2 Division according to dimensions

Unit: mm

Dimension	Symbol
2 000 × 1 000 × 50	100 W
1 850 × 940 × 50	94 W
1 820 × 910 × 50 1 820 × 910 × 55	91 W

Information : 100 W falls under the standard dimension of HONMA (KYÔMA), 94 W under that of SANROKUMA (TYÛKYÔMA) and 91 W under that of GÔHATIMA (EDOMA or KANTÔMA).

Translator’s note : KYÔMA, TYÛKYÔMA, and EDOMA or KANTÔMA have traditionally been used to represent the unit area of TATAMI. KYÔMA is mainly used in KYOTO area, TYÛKYÔMA in NAGOYA area, and EDOMA or KANTÔMA in KANTÔ area including TOKYO.

5 Quality

5.1 Appearance The appearance of TATAMIDOKO shall be of four approximately right angle corners and be free from warp, torsion, breakage and yarn breakage detrimental to use and shall have backing material without wrinkles.

5.2 Tolerances on dimension and mass, intervals between warps and seam intervals

- a) **Dimensional tolerance** Dimensional tolerance shall be as shown in table 3. Length and width of ordered products shall be as agreed between the parties concerned with delivery and the dimensional tolerance shall be as shown in table 3.

Table 3 Dimensional tolerance

Unit: mm

Symbol	Length		Width		Thickness	
	Dimension	Tolerance	Dimension	Tolerance	Dimension	Tolerance
100 W	2 000	±30	1 000	+10 -15	50	±2.0
94 W	1 850		940		50	
91 W	1 820		910		50	
					55	

- b) **Tolerance on mass, intervals between warps and seam intervals** Mass and its tolerance, intervals between warps and seam intervals shall be as shown in table 4.

Table 4 Tolerance on mass, intervals between warps and seam intervals

Division		Thickness of TATAMI board	Mass of one sheet of TATAMIDOKO kg				Interval between warps	Seam interval	(informative)
			100 W	94 W	91 W ⁽¹⁾	Toler- ance			Mass per unit area kg/m ²
		mm					mm	mm	Product of 50 mm in thickness
Non straw TATAMI- DOKO	Type I	50 min.	24.5	21.5	20.5	± 1.5	85 max.	50 max.	12.3
	Type II	20	11.5	10.0	9.5				5.7
		25 min.	13.5	12.0	11.5				6.8
	Type III	25 min.	13.5	12.0	11.5				6.8
	Type K	—	5.5	5.0	4.5				2.7
	Type N								

Note ⁽¹⁾ The mass of 91 W shall be 10 % increase over the values in table 4 in the case of TATAMI board thickness of 5 mm increase and TATAMIDOKO of 55 mm.

- 5.3 Performance** Performance of TATAMIDOKO shall conform to the stipulation in table 5.