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Chalkboards

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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 Chalkboard Industry Association (JCIA)/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 S 6007 : 2001** is replaced with this Standard.

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Contents

	Page
1 Scope	1
2 Normative references	1
3 Definitions	1
4 Name of each part	1
5 Classification	1
5.1 Division according to chalkboards surface	1
5.2 Structure	2
6 Designation of chalkboards and standard dimensions of chalkboard body	2
7 Quality	2
7.1 Appearance of chalkboard surface	2
7.2 Performance of chalkboard surface	3
8 Structure	4
9 Materials	4
10 Processing methods	6
10.1 Processing chalkboards	6
10.2 Processing of chalkboard body	7
11 Test methods	8
11.1 General	8
11.2 Appearance of chalkboard surface	9
11.3 Colour of chalkboard surface	9
11.4 Glossiness of chalkboard surface	9
11.5 Surface roughness of chalkboard surface	10
11.6 Light fastness of chalkboard surface	10
11.7 Adhesiveness and erasability of chalk on chalkboard surface	11
11.8 Coating adhesion of chalkboard surface	11
11.9 Rust preventiveness of chalkboard surface	12

S 6007 : 2004

12	Inspection method	12
13	Marking	12
Attached table 1	Normative references	13

Chalkboards

1 Scope This Japanese Industrial Standard specifies the chalkboards with a chalkboards surface on which drawing is possible using a chalk and from which the drawing can be wiped out using a chalk eraser (hereafter referred to as “chalkboard”).

2 Normative references The standards listed in attached table 1 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 the indicated year constitutes the provision of this Standard but the revision and amendment made thereafter do not apply. The normative references without the indication of the year of coming into effect apply only to the most recent edition (including amendments).

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

- a) **paper core** Material made by repeatedly overlapping several kinds of paper such as fibreboard, kraft paper, etc. using an adhesive so as to have a number of connected passing through pores in such forms as hexagon, circular and unequal sided polygon and to be used for flush type partition;
- b) **KOKUSO** The work to finish the plywood for base board to be flat and smooth painting over flaw, jointing line, etc.;
- c) **knifing** The work to paint the surface of the plywood or steel sheet for base board using a specific knife for painting use;
- d) **grind** The work to frost the coated surface using an abrasive paper or the like so as to make the coated surface flat, smooth and frosted.

4 Name of each part As given in the attached figures 1 to 4.

5 Classification As classified below:

5.1 Division according to chalkboards surface As specified in the table 1.

Table 1 Classification

Division	Classification	Remarks
Grinding-finished	Wooden chalkboard	Chalkboard surface made by coating the surface of the plywood for base board with a paint for chalkboard, and finished by grinding.
	Steel chalkboard	Chalkboard surface made by coating the surface of steel board after anti-corrosive treatment with a paint for chalkboard, and finished by grinding.
Baking-finished	Porcelain enamel chalkboard	Chalkboard surface made by coating a glaze on a steel sheet or steel band for porcelain enamel chalkboard after pre-treatment, and finished by baking it.
	Steel chalkboard	Chalkboard surface made by coating a paint for chalkboard on the surface of steel board after anti-corrosive treatment, and finished by baking.

5.2 Structure As specified below:

- a) **Back bridge type** Of the structure finished with back bridge and back bridge frame (see attached figure 5).
- b) **Flush type** Of the structure finished by adhering a plywood for lining on the back bridge type (see attached figure 6) or of the structure made by adhering a plywood for lining between the back bridges in the back bridge type using paper cores (see attached figure 7).

6 Designation of chalkboards and standard dimensions of chalkboard body

The designation of chalkboards and standard dimensions of chalkboard body⁽¹⁾ shall be as given in table 2. If it is impossible to be as specified in table 2, the agreement between the parties concerned shall apply.

Table 2 Designation of chalkboards and standard dimensions of chalkboard body

Unit: mm

Designation	Dimensions [height (vertical) × width (lateral)]	Tolerance
No. 1	900 × 1 200	± 5
No. 2	900 × 1 800	
No. 3	900 × 2 700	
No. 4	900 × 3 600	
No. 5	1 000 × 3 600	
No. 6	1 200 × 1 800	
No. 7	1 200 × 2 700	
No. 8	1 200 × 3 600	
No. 9	1 200 × 4 500	
No. 10	1 200 × 5 400	

Note (1) Dimensions excluding the back bridge frame.

7 Quality

7.1 Appearance of chalkboard surface shall comply with the following requirements when tested as specified in 11.2:

- a) Colour is free from stain, unevenness and other defects likely to damage the appearance;
- b) Gloss of no unevenness;
- c) Surface is free from crack, warp, peeling, blister, rust, pinhole, crazing and other flaw.

7.2 Performance of chalkboard surface shall comply with the requirements in table 3, when tested in accordance with clause 11.

Table 3 Performance of chalkboard surface

Item	Grinding finished		Baking finished		Subclause of test
	Wooden chalkboard	Steel chalkboard	Porcelain-enameled chalkboard	Steel chalkboard	
Colour	Colour is black or green and complies with the requirements in Table 4.		Colour is black, green or other colour ⁽²⁾ and complies with the requirements in Table 5.		11.3
Glossiness	9 % max.		15 % max.	10 % max.	11.4
Surface roughness	The maximum height is 14 µm (sampling length is 2.5 mm) as specified in JIS B 0601 .		The maximum height is 19 µm (sampling length is 2.5 mm) as specified in JIS B 0601 .	The maximum height is 16 µm (sampling length is 2.5 mm) as specified in JIS B 0601 .	11.5
Light fastness	Grade 5 at least in changing in colour.				11.6
Adhesive-ness of chalk	When seeing at a place 1 m apart from the chalkboard surface, unevenness is not seen on the line and when seeing at a place 8 m apart, the line is seen clearly.				11.7 a)
Erasability of chalk	When seeing at a place 1 m apart from the chalkboard, no traces of erased chalk marks nor erosion unevenness remains on the chalkboard surface.				11.7 b)
Coating adhesion	The number of coated film remaining on the cellophane adhesive tape is five particles or under.		Peeling coming to the base material is not allowed.	The number of coated film remaining on the cellophane adhesive tape is five particles or under.	11.8
Rust preventive-ness	—	Within 3 mm on both sides of a flaw, blister and rust are not allowed to exist.	—	Within 3 mm on both sides of a flaw, blister and rust are not allowed to exist.	11.9

Note (2) In case of other colour, it shall be decided in accordance with the agreement between the parties concerned.

Table 4 Colour of grinding-finished chalkboard

Colour	Hue (H)	Value (V)	Chroma (C)
Black	—	3.0 max.	1.0 max.
Green	10GY to 5BG	2.5 to 3.5	1.0 to 4.0