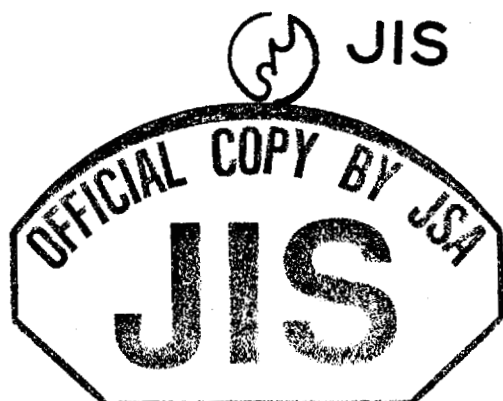


JIS

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JAPANESE INDUSTRIAL STANDARD

Paper Cores for Panel



JIS

A 6931-1978
(Reaffirmed: 1983)

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Translated

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JAPANESE INDUSTRIAL STANDARD

J I S

Paper Cores for Panel

A 6931-1978

(Reaffirmed: 1983)

1. Scope

This Japanese Industrial Standard specifies paper cores for panels used mainly as the core materials of panels (doors, partitions, floors, and the like), hereinafter referred to as paper cores.

Remark: Those units and numerical values shown in braces { } in this standard are based on the International System of Units (SI), and are appended for reference.

2. Definitions

- (1) paper core A product prepared by bonding sheets of paper⁽¹⁾ in multiple layers, having many continuous through holes in the form of hexagons, circles, inequilateral polygons, or the like, and having a percentage of void⁽²⁾ of 90 % or more.
- (2) cell size The distance between centres of layered cells. However, in the case of circular holes, the distance between centres in the *L*-direction (refer to Fig. 1).
- (3) expansion To expand the paper core for maintaining the regular cell size.
- (4) non-foldable core A paper core which cannot be folded.
- (5) foldable core A paper core which can be folded.
- (6) core end face The face perpendicular to the through hole.

Notes ⁽¹⁾ The paper referred to here means the base paper for corrugated-fiberboard or kraft paper.

$$\begin{array}{l} \text{Percentage of void} \\ \text{of void} \end{array} \begin{array}{l} \text{expanded volume - volume of} \\ \text{substantial part} \end{array} = \frac{\text{expanded volume}}{\text{expanded volume}} \times 100$$

Applicable Standard:

JIS H 4000-Aluminium and Aluminium Alloy Sheets and Plates, Strips and Coiled Sheets

3. Classification and Symbols

Paper cores shall be classified into 4 classes as shown in Table 1 based on their quality, and those impregnated with resin shall be appended with symbol D after the symbols of Table 1.

Class	Symbol
Class 1	I
Class 2	II
Class 3	III
Class 4	IV

4. Material

The material used for paper cores shall be as specified in the Japanese Industrial Standard or the Japanese Agricultural and Forestry Standard, or a material having equivalent or superior quality thereto.

5. Shape and Dimensions

5.1 The sizes of non-foldable cores and foldable cores in expanded condition shall be expressed by the width (W) in the direction of lamination, length (L) in the direction perpendicular to the direction of lamination, thickness (C), and cell size (d).

5.2 The tolerance on thickness shall be within ± 0.3 mm. However, the measuring method for thickness shall be as specified in 7.2.

5.3 The product dimensions of paper cores shall be decided by agreement between the parties concerned.