

JAPANESE INDUSTRIAL STANDARD

JIS A 5406: 1994

Concrete blocks for buildings

December, 1998

ERRATA

Page 13

Another remark is added to Remarks 8,

Error Remarks : The classification according to external shape is omitted here.

Correct Remarks 1 The classification according to external shape is omitted here.
 2 The classification according to sectional shape can be omitted
 here.

Remarks: This erratum is for correcting the first edition of this Standard.

Japanese Standards Association

JIS

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the original Standard in Japanese is to be final authority.



JAPANESE INDUSTRIAL STANDARD

J I S

Concrete blocks for buildings

A 5406-1994

1. Scope This Japanese Industrial Standard specifies the concrete blocks used mainly for buildings and having the hollow ⁽¹⁾ for providing reinforcement (hereafter referred to as "blocks").

Note ⁽¹⁾ The hollows formed by masonry of the blocks are included in this case.

Remarks 1. The standards cited in this Standard are shown in Attached Table 1.

2. The units and numerical values given in { } in this Standard are based on the conventional unit system and are appended for informative reference.

2. Classification The blocks shall be classified as shown in the following tables according to external shape, shape of cross section, compressive strength, decoration given or not, precision of dimension and permeability.

(1) Classification according to external shape The classification according to the external shape shall be as shown in Table 1.

Table 1. Classification according to external shape

Classification according to external shape	Remarks
Basic block	—
Special block	The special block is generic term for the block whose external shape differs according to the use, for example, for corner, half cut, horizontal reinforcement, etc. and can be used by combining with the basic block.

(2) Classification according to shape of cross section The classification according to the shape of cross section shall be as shown in Table 2 (see Fig. 1).

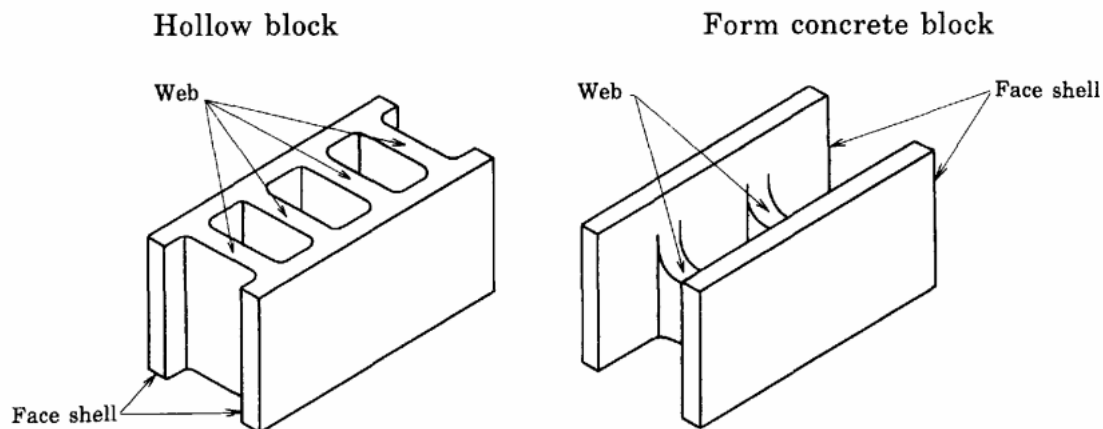
Table 2. Classification according to shape of cross section

Classification according to shape of cross section
Hollow block ⁽²⁾
Form concrete block ⁽³⁾

Notes ⁽²⁾ This is consisting of face shell and web, and of the type that is used by filling partially the hollow part with filler.

- (3) This is consisting of face shell and web, and of the complete filling type capable of filling continuously filler in two directions of vertical and horizontal.

Fig. 1. Example of sectional shape of basic block



- (3) Classification according to compressive strength The classification according to the compressive strength shall be as shown in Table 3.

Table 3. Classification according to compressive strength

Symbol of classification according to compressive strength	Hollow block	Form concrete block	Designation ⁽⁴⁾
08	○	—	Class A or A
12	○	—	Class B or B
16	○	—	Class C or C
20	○	○	—
25	●	○	—
30	●	○	—
35	●	○	—
40	●	○	—

Note (4) This designation is allowed for the time being.

Remarks: ○ Ready-made products

● Specially ordered products

- (4) Classification according to with or without decoration The classification according to whether the decoration is given or not shall be as shown in Table 4.

Table 4. Classification according to with or without decoration

Classification according to with or without decoration	Remarks
With	Decoration is to give effective finish, in pattern such as colouring, coating, polishing, cutting, aggregate exposed finish by washing, hammering finish, split, slump, ribbing, etc.
Without	—

- (5) Classification according to dimensional precision The classification according to dimensional precision shall be as shown in Table 5.

Table 5. Classification according to dimensional precision

Classification according to dimensional precision	Symbol
Block of standard precision	—
Block of high precision	E

- (6) Classification according to permeability The classification according to the permeability shall be as shown in Table 6.

Table 6. Classification according to permeability

Classification according to permeability	Symbol
Water-proof block	W
Ordinary block	—

3. Quality

- 3.1 Appearance The block shall be free from distortion, cracks, flaws, chip, etc. harmful in use.

In the case of the block with decoration shall be free from remarkable unevenness such as irregular colour, irregular finish, etc.

- 3.2 Performance The compressive strength, water absorption and permeability of block shall conform to the requirements in Table 7 when tested in accordance with 6.