

# JIS

JAPANESE INDUSTRIAL STANDARD

Prestressed Concrete  
Hollow Cored Panels

Ⓔ JIS A 6511 —1976

Translated and Published

by

Japanese Standards Association

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In the event of any doubt arising, the original  
standard in Japanese is to be evidence



## 1. Scope

This Japanese Industrial Standard specified the prestressed concrete hollow cored panels that are prestressed concrete plate products having hollow cores insides, hereinafter referred to as the "panels".

Remark: The units and numerical values given in { } in this standard are in accordance with the International System of Units (SI), and are appended for reference.

## 2. Materials

2.1 Cement The cement shall be such material that conforms to JIS R 5210.

### 2.2 Aggregate

2.2.1 The aggregate shall be such material that is clean, rigid and durable, and does not include detrimental quantity of such detrimental components as dust, mud and organic matter. The maximum size of coarse aggregate shall not exceed the least clearance between the PC steel shown in 2.5 and the PC steel, core or formwork.

2.2.2 Crushed stone shall be such material as specified in JIS A 5005 or equivalent thereto.

Remark: Such crushed stone that is within the grain size range of S-13 (No. 6) or S-5(No. 7) specified in JIS A 5001 may be used. However, in this case also, it shall comply with the specifications of 2.2.1.

2.2.3 Light-weight aggregate shall be such material that satisfies JIS A 5002 and does not have detrimental effect on the performance of the panels.

2.3 Water The water shall be clean and shall not contain detrimental quantities of oil, acid, organic matter, and other detrimental.

2.4 Admixtures Admixtures shall not have detrimental effect on the appearance and performance of the panels.

2.5 Steel Material PC steel wire, PC steel strand, PC steel bar (these are collectively called PC steel materials), reinforcement, steel flats, low carbon steel wire and wire fabrics shall conform to the following, as appropriate.

- (1) The PC steel wire and PC steel strand as specified in JIS G 3536 and those corresponding thereto<sup>(1)</sup>.

Note <sup>(1)</sup> PC steel triple-strand, or the like.

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Applicable Standards: See page 10.