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(JCI)

**Method of test for compressive
strength of concrete**

ICS 91.100.30

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Land, Infrastructure and Transport through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Concrete Institute (JCI) 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 1108 : 1999** is replaced with this Standard. This Standard has been made based on **ISO 1920-4 : 2005** *Testing of concrete—Part 4: Strength of hardened concrete* for the purpose of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Method of test for compressive strength of concrete

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 1920-4** *Testing of concrete—Part 4: Strength of hardened concrete* published in 2005 without modifying the technical contents except for a part of the provisions.

The portions underlined with dots in this Standard are the matters in which the JIS specifications deviate from those of the original International Standard. A list of modifications with explanations is given in Annex 2 (informative).

1 Scope This Standard specifies the method of test for compressive strength of test specimens of hardened concrete.

NOTE : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence between JIS and the relevant International Standard are IDT (identical), MOD (modified) and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 1920-4:2005 *Testing of concrete—Part 4: Strength of hardened concrete* (MOD)

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

JIS A 1132 *Method of making and curing concrete specimens*

NOTE : **ISO 1920-3** *Testing of concrete—Part 3: Making and curing test specimens* is equivalent to the said standard.

JIS B 7721 *Verification and calibration of the force measuring system of the tension/compression testing machines*

JIS K 6253 *Hardness testing methods for rubber, vulcanized or thermoplastic*

NOTE : **ISO 48** *Rubber, vulcanized or thermoplastic—Determination of hardness (hardness between 10 IRHD and 100 IRHD)* is equivalent to the said standard.

JIS K 6255 *Testing methods of rebound resilience for rubber, vulcanized or thermoplastic*

NOTE : **ISO 4662** *Rubber—Determination of rebound resilience of vulcanizates* is equivalent to the said standard.

JIS K 6268 *Rubber, vulcanized—Determination of density*