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**Method of sampling fresh concrete**

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Land, Infrastructure, Transport and Tourism 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 a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS A 1115**:2014), which has been technically revised.

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NOTE Based on Article 9 of the Supplementary Provisions to the Unfair Competition Prevention Act etc., any submission of proposal, or employment of procedures such as deliberation by the Japanese Industrial Standards Committee under the previous Industrial Standardization Act shall be deemed to have been conducted pursuant to the provision of Article 12, paragraph (1) of the revised Industrial Standardization Act.

# Method of sampling fresh concrete

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 1920-1:2004**, Edition 1, with some modifications of the technical contents.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB. The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex JC.

## 1 Scope

This Japanese Industrial Standard specifies the procedures for sampling of fresh concrete from mixers, hoppers, concrete transport equipment or placed concrete.

**NOTE** The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 1920-1:2004 *Testing of concrete—Part 1: Sampling of fresh concrete* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

## 2 Sample

### 2.1 General

The general requirements of samples shall be as follows.

- a) Sample shall be obtained by taking increments<sup>1)</sup> of approximately equal quantity from at least three points of the concrete to be tested, depositing them into a container made from non-absorbent material, and mixing them with a shovel, scoop, or trowel until uniform.
- b) Where multiple samples are required to test the variation of concrete properties, increments may be used as individual samples.
- c) The samples shall be supplied for testing immediately after mixing. Until completion of testing, samples shall be handled quickly while ensuring freedom from exposure to sunlight, wind, or other conditions. The samples shall be protected, as necessary, against loss of moisture or extreme variations of temperature.

**NOTE** Samples with the maximum coarse aggregate size above 40 mm may be used after removing particles larger than 40 mm by means of a 40 mm mesh sieve. The 40 mm sieve to be used for this purpose is the metal wire cloth with 37.5 mm nominal aperture specified in **JIS Z 8801-1**.

Note<sup>1)</sup> Increments are individual quantities of concrete taken from specified parts of the concrete to be tested.