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JIS A 1128 : 2019

(JCI)

**Method of test for air content of fresh  
concrete by pressure method**

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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 14 of the said Act. Consequently **JIS A 1128:2014** is replaced with this Standard.

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# Method of test for air content of fresh concrete by pressure method

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 1920-2** : 2016, Edition 2, with some modifications of the technical contents, mainly the addition of the no-water method.

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

## 1 Scope

This Standard specifies the method for determining the air content of fresh concrete through reduction of pressure in air chamber. This Standard is applicable to concrete made with ordinary aggregate of which the maximum aggregate size is 40 mm or smaller. It is not applicable to concrete made with porous aggregate such as artificial lightweight aggregate for which the aggregate correction factor cannot be accurately determined. The water-column method is provided in Annex A (informative).

NOTE 1 The test method specified in this Standard employs the principle of Boyle's law.

NOTE 2 The air chamber method is carried out either with or without water injection.

NOTE 3 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 1920-2 : 2016 *Testing of concrete — Part 2 : Properties 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 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 1115 *Method of sampling fresh concrete*

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