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Ecocement

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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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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Cement Association (JCA) 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 R 5214**:2016 is replaced with this Standard.

It should be noted that being in conformance with this Standard may come under the use of the patent rights held by the following:

Patent holder	Status	Patent number/ publication number	Title of invention
Taiheiyo Cement Corporation	Published patent application	4283947/2001-054775	Reduction method and apparatus of the lead, chlorine
		4248736/2002-037655	Mortar, concrete products and a method of manufacturing the same

The above-mentioned holders of the patent rights have indicated an intention of granting license to anyone under the nondiscriminatory and reasonable conditions, except to the other relevant holders of the patent rights related to this Standard who will not grant their licenses under the same conditions.

It should be noted that following this Standard does not always refer to granting a free license.

Some parts of this Standard may conflict with patent rights other than mentioned above. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights.

The “patent rights” as mentioned here include patent right, published patent application or utility model right.

Ecocement

Introduction

This Japanese Industrial Standard was established in 2002 and has gone through four revisions including this one. The last revision was made in 2016. This Standard deals with Ecocement, a type of resource recycling cement manufactured from Ecocement clinker, which is mainly composed of ash resulting from incineration of municipal solid waste constituting the largest part of the waste generated in urban areas and also composed of, where required, sewage sludge being used as subsidiary material.

"Ecocement" is a coinage associated with Ecology and Cement.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies requirements for Ecocement.

The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex C.

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 1144 *Method of test for chloride concentration in water of fresh concrete*

JIS A 1203 *Test method for water content of soils*

JIS K 0557 *Water used for industrial water and wastewater analysis*

JIS K 8155 *Barium chloride dihydrate (Reagent)*

JIS K 8180 *Hydrochloric acid (Reagent)*

JIS K 8576 *Sodium hydroxide (Reagent)*

JIS K 8951 *Sulfuric acid (Reagent)*

JIS M 8850 *Methods for chemical analysis of limestone*

JIS P 3801 *Filter paper (for chemical analysis)*

JIS R 5201 *Physical testing methods for cement*

JIS R 5202 *Methods for chemical analysis of cements*

JIS R 5204 *Chemical analysis method of cement by x-ray fluorescence*

JIS R 9151 *Gypsum for portland cement retarder*

JIS Z 1505 *Kraft paper sacks—For cement*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.