



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 6202 : 1997

Expansive additive for concrete

ICS 91.100.30

Descriptors : expanding cement, concrete admixtures, concretes

Reference number : JIS A 6202 : 1997 (E)

A 6202 : 1997

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently, JIS A 6202:1995 has been revised and replaced with this Standard. In this revision, the standard, JIS R 5201, having relation to this Standard, is revised in order to make the correspondence with the International Standard, therefore this Standard has been revised to achieve the nice coordination with the standard.

In JIS A 6202, the following Annexes are attached.

- Annex 1 (normative) Test method of expansibility of expansive additive by using mortar
- Annex 2 (informative) Test method of restrained expansion and contraction of expansive concrete
- Annex 3 (informative) Test method of compressive strength of expansive concrete after restrained curing

Date of Establishment: 1980-03-01

Date of Revision: 1997-08-20

Date of Public Notice in Official Gazette: 1997-08-20

Investigated by: Japanese Industrial Standards Committee

Divisional Councils on Civil Engineering
and Architecture

JIS A 6202 : 1997, First English edition published in 1998-01

Translated and published by: Japanese Standards Association
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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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Printed in Japan

Expansive additive for concrete

Introduction With the application of standard, normative references to the standard shall be simultaneously referred to. This Japanese Industrial Standard **JIS A 6202** was established in 1980 to cope with the requirement of quality standard in view of that the large amount of expansive additive for concrete has been used as admixture in the fields of cement mortar and cement concrete.

1 Scope This Japanese Industrial Standard specifies the expansive additive for concrete which is used for admixture in concrete or mortar (hereafter referred to as “expansive additive”).

2 Normative references The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. As to those normative references, the most recent editions thereof shall be applied.

JIS B 0205	<i>Metric coarse screw threads</i>
JIS B 0209	<i>Limits of sizes and tolerances for metric coarse screw threads</i>
JIS B 1181	<i>Hexagon nuts and hexagon thin nuts</i>
JIS B 7503	<i>Dial gauges</i>
JIS G 3101	<i>Rolled steels for general structure</i>
JIS G 4401	<i>Carbon tool steels</i>
JIS R 5201	<i>Physical testing methods for cement</i>
JIS R 5202	<i>Method for chemical analysis of Portland cement</i>
JIS R 5210	<i>Portland cement</i>
JIS Z 1505	<i>Kraft paper sacks for cement</i>
JIS Z 8401	<i>Rules for rounding off of numerical values</i>
JIS Z 8801	<i>Test sieves</i>
JIS Z 9001	<i>General rules for sampling inspection procedures</i>

3 Definition The definition of term used in this Standard shall be as follows.

- a) **expansive additive** Admixture which produces such as ettringite or calcium hydroxide due to hydration reaction when mixed with cement and water, and then which causes the concrete or mortar to expand.

4 Quality The quality of expansive additive shall conform to the requirements in Table 1 when being tested according to from 5 to 7.