



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 1171 : 2000

Test methods for polymer-modified mortar

ICS 91.100.10

Descriptors : cement mortar, concrete admixtures, plastics, test specimens, laboratory testing, polymers

Reference number : JIS A 1171 : 2000 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Construction through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS A 1171 : 1978** is revised and **JIS A 1172 : 1978**, **JIS A 1173 : 1978** and **JIS A 1174 : 1978** were withdrawn to be integrated into **JIS A 1171 : 2000**.

Date of Establishment: 1978-04-14

Date of Revision: 2000-03-17

Date of Public Notice in Official Gazette: 2000-03-17

Investigated by: Japanese Industrial Standards Committee
Divisional Council on Architecture

JIS A 1171 : 2000, First English edition published in 2002-11

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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

Test methods for polymer-modified mortar

1 Scope This Japanese Industrial Standard specifies the test methods for polymer-modified mortar.

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

- JIS A 1128 *Method of test for air content of fresh concrete by pressure method*
- JIS A 1129 *Method of test for length change of mortar and concrete*
- JIS A 1404 *Method of test for waterproof agent of cement for concrete construction*
- JIS A 5308 *Ready-mixed concrete*
- JIS A 6203 *Polymer dispersions and redispersible polymer powders for cement modifiers*
- JIS A 6204 *Chemical admixtures for concrete*
- JIS A 6205 *Corrosion inhibitor for reinforcing steel in concrete*
- JIS K 5664 *Tar epoxy resin paint*
- JIS K 8123 *Calcium chloride*
- JIS R 5201 *Physical testing methods for cement*
- JIS R 6252 *Abrasive papers*
- JIS Z 8401 *Guide to the rounding of numbers*

3 Definitions For the purpose of this Standard, the following definitions shall apply:

- a) **cement modifier or polymeric admixture** The generic term of polymer dispersions and redispersible polymer powders for the purpose of modification of cement mortar and concrete, to be used by mixing in them.
- b) **polymer dispersion for cement modifier or polymeric admixture** (hereafter referred to as “dispersion”) The polymer dispersion for cement modifier or polymeric admixture is the system in which polymeric particles are dispersed in water, and is classified into the following two types.
 - 1) **rubber latex for cement modifier or polymeric admixture** The rubber latex for cement modifier or polymeric admixture is one that is thoroughly dispersed and uniformed by adding a stabilizer, an antifoaming agent and others to such a latex as synthetic rubber latex, natural rubber latex or rubberized asphalt latex (hereafter referred to as “rubber latex”).
 - 2) **resin emulsion for cement modifier or polymeric admixture** The resin emulsion for cement modifier or polymeric admixture is one that is thoroughly dispersed and uniformed by adding a stabilizer, an antifoaming agent and others to a resin emulsion as poly (ethylene-vinyl acetate) emulsion, polyacrylic ester emulsion or resin-modified asphalt emulsion (hereafter referred to as “resin emulsion”).