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INDUSTRIAL
STANDARD

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JIS A 6203 : 2000

(JTCCM/JSA)

**Polymer dispersions and
redispersible polymer powders
for cement modifiers**

ICS 91.100.10

Descriptors : plasticizing admixtures, concrete admixtures, cements, polymers, cement mortar, medium-grain material

Reference number : JIS A 6203 : 2000 (E)

Foreword

This Japanese Industrial Standard has been made by the proposal for revision of Japanese Industrial Standard furnished with the draft of Industrial Standard from Japan Testing Center for Construction Materials (**JTCCM**)/Japanese Standards Association (**JSA**) based on Clause 1, Article 12 of the Industrial Standardization Law and revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee. Consequently, **JIS A 6203 : 1996** is replaced with **JIS A 6203 : 2000**.

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In the event of any doubts arising as to the contents,
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Polymer dispersions and redispersible polymer powders for cement modifiers

1 Scope This Japanese Industrial Standard specifies the polymer dispersions and redispersible polymer powders for cement modifiers or polymeric admixtures to be used for the polymer-modified mortar, the polymer-modified concrete and the like.

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 1171 *Method of polymer-modified mortar*

JIS K 0067 *Test methods for loss and residue of chemical products*

JIS K 5101 *Methods of test for pigments*

JIS K 6387-1 *Rubber latex—Sampling*

JIS K 6387-2 *Latex, rubber—Determination of total solids content*

JIS K 6726 *Testing methods for polyvinyl alcohol*

JIS K 6828 *Testing methods for synthetic resin emulsions*

JIS K 6833 *General testing methods for adhesives*

JIS R 5201 *Physical testing methods for cement*

JIS R 5210 *Portland cement*

JIS Z 8401 *Rules for rounding off of numerical values*

JIS Z 8802 *Methods for determination of pH of aqueous solutions*

JIS Z 8803 *Viscosity of liquid—Methods of measurement*

JIS Z 8804 *Methods of measuring specific gravity of liquid*

JIS Z 9001 *General rules for sampling inspection procedures*

3 Definitions For the purposes 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-modified mortar** The mortar in which a mixture of cement and a cement modifier or polymeric admixture is used as a binder.
- c) **polymer-modified concrete** The concrete in which a mixture of cement and a cement modifier or polymeric admixture is used as a binder.
- d) **polymer-cement ratio** A mass ratio of total solids content in polymer dispersions and redispersible polymer powders for cement modifiers or polymeric admixtures to cement in polymer-modified mortar and concrete.