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Testing methods of sealants for sealing and glazing in buildings

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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 translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal of revision of Japanese Industrial Standard submitted by Japan Sealant Industry Association (JSIA)/Japanese Standards Association (JSA) 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 A 1439:2004 is replaced with this Standard.

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Testing methods of sealants for sealing and glazing in buildings

Introduction

This Japanese Industrial Standard has been prepared based on ISO 6927, ISO 7389, ISO 7390, ISO 8339, ISO 8340, ISO 8394, ISO 9046, ISO 9047, ISO 9048, ISO 10563, ISO 10590, ISO 10591, ISO 11431, ISO 11432 and ISO 13640, with some modifications of their technical contents so as to reflect the actual situation in Japan. In addition, the requirements that are not given in the above corresponding International Standards are added in this Standard, which are: determination of extrudability using a test cartridge (5.14), determination of initial water resistance (5.15), determination of low temperature storage stability (5.16), determination of durability (5.17), determination of application life (5.18), determination of tack-free (5.19), determination of tensile adhesion (5.20), and the report of test results (5.21).

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with explanations is given in Annex JA.

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

1 Scope

This Standard specifies testing methods of sealants for building purposes (hereafter referred to as "sealants") that are to be applied in the joint between building component materials such as metal, concrete and glass in an unformed state so that after drying, they adhere to the components and ensure water-tightness and air-tightness of the joint.

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

ISO 6927:1981 Building construction—Jointing products—Sealants— Vocabulary

ISO 7389:2002 Building construction—Jointing products—Determination of elastic recovery of sealants

ISO 7390:2002 Building construction—Jointing products—Determination of resistance to flow of sealants

ISO 8339:2005 Building construction—Sealants—Determination of tensile properties (Extension to break)

ISO 8340:2005 Building construction—Sealants—Determination of tensile properties at maintained extension

ISO 8394:1988 Building construction—Jointing products—Determination of extrudability of one-component sealants

ISO 9046:2002 Building construction—Jointing products—Determination of adhesion/cohesion properties of sealants at constant temperature