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insulation materials**

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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 for revision of Japanese Industrial Standard submitted by Japan Thermal Insulation Association (JTIA)/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 9511:2009** is replaced with this Standard.

However, **JIS A 9511:2009** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until March 20, 2018.

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Preformed cellular plastics thermal insulation materials

Introduction

This Japanese Industrial Standard has been revised to redefine its scope in relation to **JIS A 9521** (Thermal insulation materials for buildings). The revision of **JIS A 9521** made in September 2014 expanded its scope to cover all thermal insulation materials intended for use in dwellings and building structures at the ordinary temperature, part of which was originally included in this Standard. In this revised edition, the scope of this Standard is defined to include the preformed cellular plastics thermal insulation materials for industrial purposes such as plants and building facilities, to be clearly distinguished from the scope of **JIS A 9521**.

1 Scope

This Standard specifies the preformed cellular plastics thermal insulation materials to be used as thermal insulator.

This Standard is mainly applicable to thermal insulation materials intended for general industrial applications, and also applicable to those used under special temperature and humidity conditions such as in a cold-storage warehouse, and those used for facility equipment, piping, etc. of dwellings or buildings. It is not applicable to insulation materials for dwellings and buildings that are mainly intended for use at the ordinary temperature.

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

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 0202 *Thermal insulation—Vocabulary*

JIS A 1324 *Measuring method of water vapor permeance for building materials*

JIS A 1412-1 *Test method for thermal resistance and related properties of thermal insulations—Part 1: Guarded hot plate apparatus*

JIS A 1412-2 *Test method for thermal resistance and related properties of thermal insulations—Part 2: Heat flow meter apparatus*

JIS A 1412-3 *Test method for thermal resistance and related properties of thermal insulations—Part 3: Circular pipe apparatus*

JIS A 1901 *Determination of the emission of volatile organic compounds and aldehydes by building products—Small chamber method*

JIS A 1902-4 *Determination of the emission of volatile organic compounds and aldehydes by building products—Sampling, preparation of test specimens and testing condition—Part 4: Heat-Insulating material boards*