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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 in accordance with the Industrial Standardization Law. Consequently **JIS A 9521**:2014 is replaced with this Standard.

However, **JIS A 9521**:2014 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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Thermal insulation materials for buildings

1 Scope

This Japanese Industrial Standard specifies the thermal insulation materials mainly used for dwellings or buildings at the ordinary temperature (hereafter referred to as thermal insulation materials). This Standard is not applicable to the heat insulation materials used under atmospheric conditions of particular temperature and humidity such as a cold-storage warehouse, and the heat insulation materials used for facility equipment, piping, etc. for dwellings or buildings.

This Standard is applicable to the cellular plastic thermal insulation materials in which fluorocarbons [1)] are not used as a foaming agent.

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

Note [1)] Generic term for hydrofluorocarbon (HFC), chlorofluorocarbon (CFC) and hydrochlorofluorocarbon (HCFC). Hydrofluoroolefin (HFO) (HFO-1233zd, HFO-1336mzz and others) does not fall under this category.

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 insulation—Part 2: Heat flow meter apparatus*

JIS A 1420 *Determination of steady-state thermal transmission properties—Hot box method*

JIS A 1423 *Simplified test method for emissivity by infrared radio meter*

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

JIS A 1902-1 *Determination of the emission of volatile organic compounds and aldehydes by building products—Sampling, preparation of test specimens and testing condition—Part 1: Boards, wallpaper and floor materials*

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*

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