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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**:2011 is replaced with this Standard.

However, **JIS A 9521**:2011 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 September 21, 2015.

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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”). In this Standard, the cellular plastics thermal insulation materials in which fluorocarbons¹⁾ are not used as a foaming agent are included in the scope.

This Standard is not applicable to the thermal insulation materials used under the condition at 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.

Note ¹⁾ Fluorocarbons refer to chlorofluorocarbon (CFC), hydrochlorofluorocarbon (HCFC) and hydrofluorocarbon (HFC), but do not include hydrofluoroolefin (HFO) which is represented by HFO-1233zd and HFO-1336mzz.

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

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

JIS A 1902-1 *Determination of the emission of volatile organic compounds and aldehydes for 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 for building products—Sampling, preparation of test specimens and testing condition—Part 4: Heat-Insulating material boards*

JIS A 5430 *Fibre reinforced cement boards*

JIS A 6111 *House wrapping sheets*

JIS A 6930 *Plastic films vapour barrier for residential use*