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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act. This edition replaces the previous edition (**JIS A 9521 : 2020**), which has been technically revised.

However, **JIS A 9521 : 2020** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 21 March 2023.

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Thermal insulation materials for buildings

1 Scope

This Japanese Industrial Standard specifies requirements for 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.

The cellular plastic thermal insulation material used in this Standard is a thermal insulation material in which fluorocarbons ¹⁾ are not used as a foaming agent.

A list of technically significant revisions from the previous edition is given in Annex F.

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

2 Normative references

Part or all of the provisions of the following standards, 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 1420 *Determination of steady-state thermal transmission properties — Hot box method*

JIS A 1423 *Simplified test method for normal emissivity by infrared radiation thermometer*

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*