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properties for vacuum insulated building
components**

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Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

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Test method of thermal transmission properties for vacuum insulated building components

1 Scope

This Japanese Industrial Standard specifies the test method of thermal transmission properties for vacuum insulation and vacuum insulated composite products (hereafter generically referred to as vacuum insulated building components) which are used mainly at ordinary temperature in residences and buildings.

NOTE 1 This Standard describes the procedure for measuring the thermal transmittance of vacuum insulated building components using the calibrated hot box method, and also describes the method for calculating the equivalent thermal resistance from the thermal transmittance.

NOTE 2 The accuracy of measurement is determined by the dimensions of a test apparatus and the specifications of a test specimen.

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 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 4710 *Windows and doorsets — Thermal resistance test*

JIS B 7512 *Steel tape measures*

JIS Z 0108 *Packaging — Vocabulary*

3 Terms, definitions, symbols and units

3.1 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS A 0202**, **JIS A 1420** and **JIS Z 0108**, and the following apply.

3.1.1

vacuum insulation

porous core material such as fibre and powder which is covered by the covering mate-